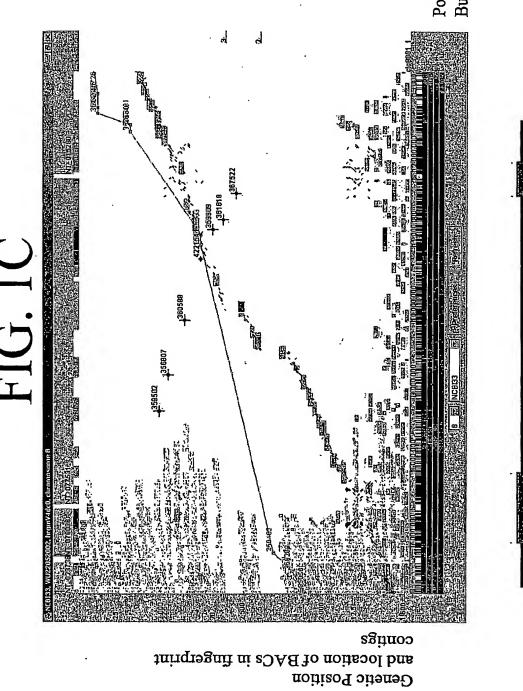


Duplication interval

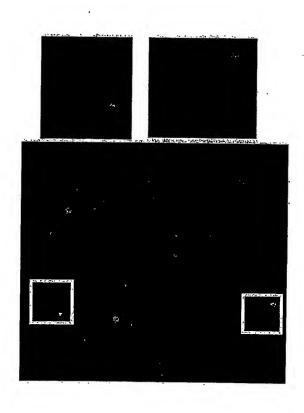
Duplication interval

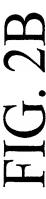
FIG. 1C



Position Build 33







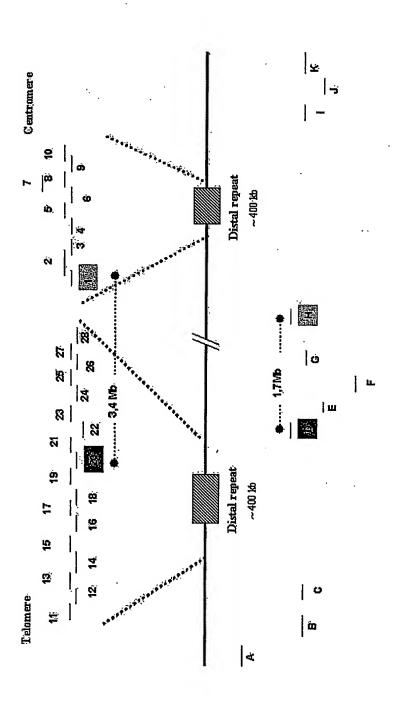


FIG. 3. Results of FISH Measurements

Panic Disorder	Patients			
Total number 47	Hz C 14	Het 22	Hz Rare 11	Frequency of Inverted form 47%
Controls				
Total number	Hz C	Het	Hz Rare	Frequency of Inverted form
173	64	93	16	36%

FIG. 4. Association results: Orientation at 8p23 Number Genotype **Marker Type** R-squared p-value SG08S5 123 3.21E-25 SNP 0.644 SNP SG08S95 101 5.16E-20 0.641 M/I 114 DG8S269 0.617 4.80E-24 M/I 126 **DG8S163** 0.590 2.03E-23 DG8S197 M/I 120 0.563 2.34E-20 AF131215-2 M/I 116 0.544 4.99E-21 M/I 67 DG8S127 0.489 5.89E-14 SNP 124 0.472 SG08S120 1.75E-17 M/I 91 DG8S179 0.471 1.85E-13 SG08S27 SNP 124 0.457 2.37E-15 DG8S261 M/I 88 0.456 6.63E-12 SNP 119 0.456 SG08S71 9.88E-17 SNP 125 0.448 SG08S32 2.61E-15 SNP 118 0.443 SG08S517 2.34E-15 SNP 120 0.442 SG08S70 ·5.74E-16

119

117

120-

124

83

126

122

122

121

123

23

121

115

123

114

0.440

0.437

0.436

0.433

0.404

0.395

0.370

0.362

0.349

0.337

0.336

0.333

0.331

0.309

0.303

1.16E-15

9.84E-15

6.37E-17

2.31E-14

2.34E-10

1.39E-14

2.27E-15

6.68E-12

6.81E-13

1.87E-11

0.0046

8.52E-12

2.82E-11

8.65E-19

9.06E-11

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SG08S102

SG08S73

SG08S76

SG08S26

DG8S242

SG08S15

DG8S257

SG08S138

SG08S520

SG08S508

DG8S156

D8S1695

DG8S170

DG00AAHBG

DG8S161

8/90

comments																						
Concordance																				•		
	ပ္သ	တ	S	S.	y:	y.	S	S	y.	S	v.	) <i>(</i> ;	o v	s co	S	· (7.	· 02	o co	00	o co	) (C	ິດ
Inversion risk allele		×	×	٣	<u> </u>	. ⊁	ייי ו	×	×	7	7	Υ	; <del>}</del>	<u> </u>	X	Σ. Π.	Ä	۳,	YES	Ϋ́	X	YES
Iello Moin moionoval				Multiple	Multiple												ple	9	ole Die	L		ple
	6	τ-	<del>-</del>	Mul	M	2	· <del></del>	~	ന	~ ~	2	ı m	0 0	0	~	· ~	Multiple	Multiple	Multiple	<b>-</b>	. 4	Multiple
Top LD marker																						
	YES	YES	YES			YES	YES	YES	YES	YES	YES	YES	YES			ÆS			YES			ES
con.freq	508	0.367808 YES	0.48545 YES	1887	478	. 669	194	0.41041	673	. 880	419	053			756	0.434783 YES	258	081	565		156	0.064497 YES
pən.roo	0.506	0.367	0.48	0.256887	0.436478	0.395693	0.559194	0.41	0.558673	0.518088	0.396419	0.496053	0.57619	0.816804	0.452756	434	0.032258	3.376081	0.027665	0.432947	0.18156	99.
uoɔ#	ł		378	726	795	743	_		_	_	_	_		_	_	_	_	_	_		•	845 0
	_	,_	(,,	_	,_	_	m	ιΩ	رن	ന	ന	ന	_	7	က	7	Ø	Ø	/	Ö	7	φ
aff.freq	33	<u>~</u>	တ္သ	2	က	8	_	ඉ	S	ਨ	ض ف	က	7	4	7	2	7	മ	2	0	7	es.
	0.605085	0.461131	0.587329	0.340502	0.523973	0.482818	0.65411	0.496599	0.646552	0.601695	0.508929	0.577193	0.646127	0.871094	0.530822	3.501695	0.065217	0.441379	0.052817	0.501859	3.234007	0.099278
			_	_	_	_		_	_	_	_	_	_	_	_	_	_	4.0	0.0	0.5	0.2	0.0
Tis#	295	283	292	279	292	291	292	294	230	295	112	285	284	256	292	295	184	230	284	269	297	277
p-val	E-05	124	)207	0.00022	0.00029	0.00032	365	901	<b>4</b>	054	763	309	748	916	498	102	519	095	424	642	751	817
·	4.32E-06	0.000124	0.000207	0.0	0.0	0.0	0.000365	0.000601	0.001044	0.002054	0.002763	0.003309	0.003748	0.003916	0.004498	0.006102	0.006519	0.007095	0.007424	0.007642	0.007751	0.00817
۱,	537	385	355	322	71	574	22	<u>1</u> 8	8	916	35	. 28	_	_	_	_	_	_	_	_	_	87
	1.49537	1.47085	1.50855	1.49355	1.4211	1.42574	1.49072	1.41718	1.44504	1.40516	1.57795	1.38687	<del></del>	1.51561	1.3675	1.30884	2.09302	1.31082	1.95983	1.31953	1.37711	1.5987
ələllA	0	<del>-</del>	<del>-</del>	0	4	7	~	7	က	7	7	က	7	0	7	2	4		Ċ.	· -		မွ
					-												•		•			
Marker		_	~	<u>ر</u>	4		<u></u>	ċ	œ	2	<u>ĕ</u>	_			ထ္							
	SG08S71	DG8S197	SG08S73	JG8S332	AF131215-4	SG08S5	SG08S520	SG08S95	SG08S508	SG08S102	<b>JG00AAHB</b>	SG08S70	0688161	JG8S298	SG08S506	SG08S15	<b>JG8S249</b>	JG8S148	<b>J</b> G8S269	<b>JG8S127</b>	SG08S93	1695
	ည်	Ö	ပ္လ	တ္တ ဂ	AF1	ပ္တ	SS	ည်	SGC	ည်	200	SGO	වියි	88 0 0	SG0	SG0	80	8 0 0	008 000	DG8	SGO	D8S1695

FIG. 5A. Results for Panic Disorder

FIG. 5B. Results for Panic Disorder

					9,	/9(	)	ï														
oncordance sinemmo:			allele not enough for incoming	allele not specific for inversion						allele not specific for inversion			310					٤	<u> </u>			
nversion risk allele	VES	Y Z	2 5	XE X	3			VEV.	3 5	2		בו בו בו	Kare allele		YES	3		Daro offete		ב ה ה	2	
	67	Mulfine	Multiple	O C	Multinta	Multiple	Multiple		Mulfinla		r Bentemb	Multiple	Multiple	Multiple	3	• 67	Multinle		Multiple	ordinapie 2	,	Multiple
Top LD marker																						
pərî.noc	0.529337 YES	_		0.355042 YES	0.057125	0.586758	0.241354	0.501912	0.034025	0.442881 VES	0.381543	5.05E-07	0.580972	0.005528	0.636364	0.363636	0.041667	1.37F-07	7.458689 ·	1445844 VEC	0.554156	0.631618 YES
uoɔ#	392	780	780	476	779	876	694	523	867	604	226	23.4	741	814	-	_	_		_	_		
pəri.ils	9.0	0.462898	0.202206	0.436306	0.03169	0.528428	0.191379	0.564626	0.057627	0.381041	0.441729	0.013697	0.522887	4.57E-15	0.695578	0.304422	0.020147	0.003533	0.526471	0.506803	0.493197	0.576786
#aff	295	283	272	157	284	299	290	294	295	269	266	73	284	282	294	294	273	283	170	294	294	280
p-val	0.00892	0.010287	0.010326	0.010364	0.012974	0.013012	0.014561	0.014737	0.015013	0.015453	0.015593	0.016338	0.017797	0.020519	0.021168	0.021168	0.021506	0.023849	0.024789	0.024806	0.024806	0.025242
ı,	1.33373	1.28932	1.39401	1.40604	0.540184	0.789193	0.743933	1.28699	1.73607	0.77441	1.28256	27512.1	0.790452	8.22E-13	1.30567	0.765893	0.472897	25908.7	1.31206	1.27723	0.782947	0.794875
ələliA	က	4	0	0	4	7	7	0	72	0	7	16	0	~	ကျ	7	4	7	0	7	_	0
Магкет	SG08S517	AF131215-2	AF131215-1	DG8S242	DG8S136	D8S516	DG8S148	SG08S39	D8S1130	DG8S127	DG8S232	DG8S137	DG8S269	D8S550	3G083507	3608250/ 50004	DG85245	DG8S197	D8S1825	SG08S27	SG08S27	DG8S257

FIG. 5C. Results for Panic Disorder

																•						
stnammoO																						
Concordance		Rare allele		YES			Rare allele	Rare allele		YES		YES		YES			YES		YES		Rare allele	YES
Inversion risk allele		œ		>			∝	œ		>		>		>			>		<b>&gt;</b>		~	>
Mollo Main acionoval	Multiple	Multiple	Multiple	7	2	Multiple	0	Multiple	Multiple	0	0	Multiple	Multiple	Multiple	Multiple	0	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple
Top LD marker																						
				YES						YES												
con.freq	0.035152	0.015819	0.019945	0.446429 YES	0.553571	0.009186	2.30E-07	0.001183	0.009238	0.451498 YES	0.548502	0.095732	0.169521	0.039792	0.015012	0.04127	0.427061	0.016321	0.099472	0.004142	0.001332	0.313235
uoɔ#	825	727	727	902	700	762	556	845	998	701	701	867	292	867	866	315	473	674	568	845	751	680
pərf.ffe	0.015909	0.032143	0.007143	0.5	0.5	7.72E-14	0.004166	0.00722	0.001678	0.503367	0.496633	0.067797	0.123984	0.061017	0.005034	0.008333	0.493711	0.005435	0.140244	5.65E-19	0.006849	0.358929
lls#	220	280	280	297	297	142	240	277	298	297	297	295	246	295	298	8	159	276	164	277	292	280
p-val	73	16	7	31	31	11	#	23	31	22	27	56	83	16	47	33	29	37	31	36	90	<b>7</b> 6
	0.026073	0.026116	0.02801	0	0.028331	0.028377	0.028441	0.030127	0.031831	0.033807	0.033807	0.034226	0.035493	0.037716	0.037947	0.038339	0.038856	0.039967	0.04181	0.046136		0
	0.443736	2.06626	0.35351	1.24	0.806452	8.33E-12	18155.3	6.13816	0.180252	1.23132	0.812135	0.686966	0.69336	1.56804	0.33195	0.195216	1.30825	0.32936	1.47675	1.36E-16	5.17242	1.22755
ələllA	2	00	9	7	0	12	φ	4	16	0	2	æ	7	-12	4	8	7	4	7	16	33	-5
Магкег	D8S503	DG8S297	DG8S297	SG08S120	SG08S120	D8S351	DG8S159	D8S1695	D8S1759	SG08S26	SG08S26	D8S1130	DG8S221	D8S1130	D8S1759	DG8S307	DG8S153	DG8S277	DG8S192	D8S1695	DG8S265	DG8S257

	_				•						
shamments											
Soncordance		Ç	TES			are allele	FS	ט פ	21	VES S	ខ្ម
nversion risk allele	d	7	_			œ	>	- >	- >	- >	_
Top LD marker	-	- c	<b>&gt;</b> (	<b>ɔ</b> :	Multiple	0	7	۰ ،	1 C	· c	Mulfinfo
pəri.no:	004130	7.651.55	0.700052	1.3300/3 YES	J.568211 YES	1.12E-07 YES	.474276 YES	.256702 YES	380353 YES	522843 YES	0.001318 YES
uoɔ#			•								
aff.freq	7.27E-15	0.515625	0.484375	0.1010	0.524430	0.003225	0.51845	0.288396	0.418644	0.55802	2.22E-14
Tis#	269	288	288	990	007	155	271	293	295	293	276
lsv-q	0.054739	0.05598	0.05598	0 079775	0.073773	0.081789	0.085977	0.143127	0.150121	0.195671	0.265216
ı	1.75E-12	1.20367	0.830793	0 838003	200000	7.0313.2	1.19342	1.1735	1.17317	1.15223	1.68E-11
ələllA	7	0	က	C	,	1 4		7	0	7	ထု
Marker	DG8S127	DG8S163	DG8S163	DG8S156	DC82264	000000	B/10000	SG08S138	SG08S32	SG08S76	DG8S170

FIG. 5D. Results for Panic Disorder

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FIG. 6A.	Allelic	Association	ı fo	г Вір	olar	Disorder
-	=		,	ed		

C.   C.   C.   C.   C.   C.   C.   C.						ar Disorder				
0.22781   0.397223   0.40625   811   0.65783   0.656009   0.22837   1	<u></u>	i		, j	_	: 9	ā			. 5
0.227281   0.237422   96	1 3		ar Tar	<u> </u>	S	5	90		Ę,	를 불
0.247291 1,23199 96 0.08245 811 0.24108 0	0.636132	0.927223		0.640625	81					
0.4716779 0.740299 96 0.006258 311 0.00826141 0.001638 0.671834 1.4022239-5 0.814941 0.843158 96 0.00144167 81 0.0016438 0.0016438 0.671834 1.412239-5 0.863298 1.20792 96 0.00520826 811 0.0014305 0.00441014 0.0286449 1 -8 AC022239-5 0.4241391 1.15389 86 0.313954 574 0.0635888 0.061834 0.0465116 0.00343168 0.0046118 0.00343168 0.0046118 0.00343168 0.0232595 0.0232652 0.82084 86 0.385349 574 0.043554 0.0036978 0.0036974 0.0036999 0.0036974 0.0036999 0.0036974 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.0036999 0.00				0.28125	5 81°					
0.814911 0.843155 96 0.0104616 811 0.00123305 0.0104628 0.0548008 1 -12 AC022239-5 0.80686 1 .41548 86 0.139535 574 0.02787 0.007576 0.0584008 1 -18 AC022239-5 0.421391 1.15389 86 0.395345 574 0.283972 0.287879 0.646434 1 -8 AC022239-5 0.367219 0.718243 86 0.0465116 574 0.085888 0.0618336 0.813054 1 12 AC088974-2 0.23462 0.82048 66 0.0465116 574 0.045588 0.0018336 0.813054 1 14 AC088974-2 0.23462 0.82048 66 0.0232555 574 0.44338 0.437121 1.41283 0.077047 86 0.0232559 574 0.43332 0.437121 0.0058081 0.077047 86 0.0232559 574 0.0339721 0.0058081 0.00587678 0.077047 86 0.0232559 574 0.039574 0.0058081 0.00587678 0.055319 1 8 AQ68874-2 0.0597138 5.66E-11 8 AQ6E-14 574 0.00687108 0.000757576 0.0505319 1 8 AC088974-2 0.0518787 0.00575776 0.0058742 0.0058743 0.0058742 0.0058744 0.0058742 0.005					811	0.0826141	0.080485			
0.863298								0.671834		
0.180588					811			0.0548008		
0.421391							0.00441014	0.0296449	1	
0.372719         0.718343         86         D.4685116         574         0.0635888         0.0613365         0.813054         1         1.0 AC068974-2           0.860978         1.07122         86         0.389549         574         0.043354         0.437121         1.41283         1         0.4008874-2           0.134389         2.25E-14         86         0.0282559         574         0.03399721         0.0308702         1.677047         86         0.0292559         574         0.03399721         0.0308702         1.686974-2         0.02477177         0.51057         86         0.0292559         574         0.0309721         0.01606061         0.595131         1.6 AC068974-2           0.477172         0.5105788         0.0017419         574         0.011324         0.01060661         0.595319         1.8 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         2.AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         2.AC068974-2           0.190688         1.451548         86         0.339549         574						0.102787	0.107576			
0.23462 0.82084 86 0.395349 574 0.44338 0.457121 1.41233 1 0 AC0688974-2 0.143389 2.25E-14 86 1.58E-16 574 0.043554 0.00660861 2.24168 1 20 AC068974-2 0.143389 2.25E-14 86 0.0551394 574 0.00582648 0.00660861 2.24168 1 20 AC068974-2 0.1471712 0.51057 86 0.0025539 574 0.0339721 0.0326768 0.0569618 2.24168 1 20 AC068974-2 0.043371 64445.2 66 0.00551394 574 0.016264 0.00660861 0.505319 1 8 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 2 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 2 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 1 AC068974-2 0.25951 0.160568 1.41548 86 0.395349 574 0.0263524 0.0066068 1 1.41548 86 0.395349 574 0.0263524 0.0066068 1 1.41548 86 0.395349 574 0.0263524 0.066588 1 1.41548 86 0.395349 574 0.0263524 0.026	0.367219					U.2039/2 L 0.0635888		0.010101		
0.866978			86							
0.440332 0.677047 86 0.0235259 574 0.0395721 0.0325736 0.595417 1 6 AC068974-2 0.0345736 0.0345737 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345737 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345736 0.0345737 0.0345736 0.03457				0.0465116						
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0.421391         1.15389         86         0.313954         574         0.283972         0.287879         0.646434         1         14 AC068974-2           0.23462         0.82084         86         0.395349         574         0.043388         0.0613636         0.813054         1         10 AC068974-2           0.860978         1.07122         86         0.0485116         574         0.043384         0.0439394         0.0306702         1         16 AC068974-2           0.134389         2.25E-14         86         1.58E-16         574         0.0696864         0.00506061         2.24106         1         20 AC068974-2           0.440332         0.677047         86         0.0232559         574         0.00339721         0.0325758         0.595417         1         6 AC068974-2           0.116188         3.37871         86         0.0174419         574         0.0052648         0.00681818         2.46797         1         18 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.0087108         0.000757576         0.279334         1         5 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.0087108         0.000		1.41548	86				_			13 AC068974-2
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0.23462         0.82084         86         0.395349         574         0.44338         0.437121         1.41263         1         0.4068974-2           0.134389         2.25E-14         86         1.58E-16         574         0.043354         0.0439394         0.0306702         1         6         AC068974-2           0.440332         0.677047         86         0.0232559         574         0.0339721         0.0325758         0.595417         1         6 AC068974-2           0.477172         0.51057         86         0.00581394         574         0.011324         0.0106061         0.505319         1         8 AC068974-2           0.16188         3.37871         86         0.00581335         574         0.002522648         0.00681818         2.46797         1         8 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         2 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00261324         0.0030303         0.416305         1 - 2 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00261324         0.003					574				-	14 AC068974-2
0.003976         0.07122         85         0.0485116         574         0.043554         0.0439394         0.0306702         1         16 AC068974-2           0.134389         2.25E-14         86         1.58E-16         574         0.0696884         0.00606061         0.24068974-2           0.440332         0.677047         86         0.0232559         574         0.0339721         0.0325758         0.595417         1         6 AC068974-2           0.116188         3.37871         86         0.00581335         574         0.011224         0.0106061         0.505319         1         8 AC068974-2           0.0433771         64445.2         86         0.00581335         574         0.0087108         0.000757576         4.08064         -4 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.0087108         0.000757576         0.279334         1         15 AC068974-2           0.518787         2.23196         86         0.0581334         574         0.00087108         0.000757576         0.279334         1         15 AC068974-2           0.754266         0.933981         93         0.145161         780         0.153846         0.15292         0.0973812         1			_			0.44338				0 AC068974-2
0.440332 0.677047 86 0.0232559 574 0.00981684 0.00606061 0.505319 1 6 AC068974-2 0.477172 0.51057 86 0.00581394 574 0.011324 0.0106061 0.505319 1 8 AC068974-2 0.116188 3.37871 86 0.0174419 574 0.0082648 0.006581818 2.46797 1 18 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00887108 0.000757576 0.279334 1 2 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.0087108 0.000757576 0.279334 1 2 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.0087108 0.000757576 0.279334 1 15 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 15 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 13 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 13 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 13 AC068974-2 0.597138 5.66E-11 86 4.94E-14 574 0.00087108 0.000757576 0.279334 1 13 AC068974-2 0.24689 0.81593 93 0.295699 780 0.339744 0.335052 0.47417 1 2 AF131215-1 0.462742 0.692307 93 0.0215054 780 0.0307692 0.0297824 0.0373201 1 -2 AF131215-1 0.00567 2.13967 93 0.0537635 780 0.0307692 0.0297824 0.033924 1 2 AF131215-1 0.673039 1.16949 93 0.0483871 780 0.0179487 0.0200458 2.69654 1 -4 AF131215-1 0.591938 1.09076 93 0.0591398 780 0.0544872 0.0549828 0.06784 1 4 AF131215-1 0.504999 1.264434 98 0.0591398 780 0.0544872 0.0549828 0.06784 1 4 AF131215-1 0.634992 0.598139 8 0.484694 780 0.0544872 0.0549828 0.06784 1 4 AF131215-1 0.634992 0.69807 0.878137 98 0.0510205 780 0.05641026 0.000572738 0.0569476 0.48663 1 4 AF131215-1 0.46268 2.00001 98 0.0510205 780 0.00128205 0.00134548 0.456082 1 -4 AF131215-1 0.46268 2.00001 98 0.0510205 780 0.0569476 0.466606 2.04209 1 4 AF131215-2 0.444447 0.834808 97 0.386589 795 0.433648 0.4646188 5.54432 1 14 AF131215-4 0.4015663 0.000546488 0.4016688 0.45648 1 12 AF131215-4 0.000546488 0.4016688 0.4016488 5.54432 1 14 AF131215-4 0.000546488 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688 0.4016688						0.043554	0.0439394			
0.477172		-						2.24106	-	
0.116188         3.37871         86         0.0174419         574         0.011324         0.01052648         0.00681818         2.46797         1         8 AC068974-2           0.0433771         64445.2         86         0.00581335         574         9.07E-08         0.00087168         0.000757576         4.08064         1         4 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         2 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         5 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         5 AC068974-2           0.754266         0.933961         30         0.1456161         780         0.153846         0.152921         0.0979812         1         0 AF131215-1           0.846815         1.0328         30         0.317204         780         0.3309744         0.330921         1         2 AF131215-1           0.271308         1.49821         30         0.0215054         780 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td></t<>									1	
0.0433771         64445.2         86         0.00581335         574         0.0087108         0.0005757676         4.08064         1         -4 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         2 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         5 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         5 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         13 AC068974-2           0.754266         0.933961         93         0.145161         780         0.153846         0.152921         0.0979812         1         0 AF131215-1           0.846815         1.0328         3         0.317204         780         0.310256         0.310997         0.0373201         1         2 AF131215-1           0.271308         1.49821         93         0.0537635         780         0.0365385									1	
0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         2 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         2 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         15 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         15 AC068974-2           0.754266         0.933961         93         0.145161         780         0.153846         0.152921         0.097812         1         0.47131215-1           0.846815         1.0328         93         0.0215054         780         0.330744         0.335052         1.47417         1         2 AF131215-1           0.271308         1.49821         93         0.0537635         780         0.03365345         0.0383734         1.21012         1         0.47131215-1           0.10557657         93         0.0537635         780         0.0179487         0.0200458							0.00681818	2.46797		
0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         15 AC068974-2           0.597138         5.66E-11         86         0.00581394         574         0.00087108         0.000757576         0.279334         1         15 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         13 AC068974-2           0.754266         0.933961         93         0.145161         780         0.153846         0.152921         0.0978812         1         0 AF131215-1           0.846815         1.0328         93         0.317204         780         0.310256         0.310997         0.0373201         -2 AF131215-1           0.462742         0.692307         93         0.0215054         780         0.0365385         0.0383734         1.21012         1         0.47131215-1           0.100567         2.13967         93         0.0376345         780         0.0365385         0.0383734         1.21012         1         10 AF131215-1           0.673039         1.16949         3         0.0483871         780         0.0448667         0.0423826	0.597138	5.66E-11	86				0.000/5/5/6			
0.518787         2.23196         86         0.00581394         574         0.00261324         0.0030303         0.416305         1         -2 AC068974-2           0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         13 AC068974-2           0.224689         0.81593         93         0.145161         780         0.153846         0.152921         0.0979812         1         0 AF131215-1           0.846815         1.0328         93         0.317204         780         0.310256         0.310997         0.0373201         1         -2 AF131215-1           0.462742         0.692307         93         0.0215054         780         0.0307692         0.0297824         0.539254         1         22 AF131215-1           0.271308         1.49821         93         0.0537635         780         0.0365385         0.0383734         1.21012         1         0 AF131215-1           0.673039         1.16949         93         0.048371         780         0.0416667         0.0423826         0.178068         1         4 AF131215-1           0.794508         1.09076         93         0.016129         780         0.0128205         0.0131			86						-	
0.597138         5.66E-11         86         4.94E-14         574         0.00087108         0.000757576         0.279334         1         13         AC068974-2           0.754266         0.933961         93         0.145161         780         0.153846         0.152921         0.0979812         1         0         AF131215-1           0.846815         1.0328         93         0.295699         780         0.339744         0.335052         1.47417         1         2         AF131215-1           0.462742         0.692307         93         0.0215054         780         0.0307692         0.0297824         0.539254         1         2         AF131215-1           0.271308         1.49821         93         0.0537635         780         0.0365385         0.0383734         1.21012         1         0         AF131215-1           0.100567         2.13967         93         0.0483871         780         0.0179487         0.0200458         2.69654         1         4         AF131215-1           0.794508         1.09076         93         0.051398         780         0.0548872         0.0549828         0.06784         1         4         AF131215-1           0.501936         1.77E-12			_	0.00581394	574				-	
0.224689         0.353951         93         0.145161         780         0.153846         0.152921         0.0979812         1         0 AF131215-1           0.846815         1.0328         93         0.317204         780         0.310256         0.310997         0.0373201         1         2 AF131215-1           0.462742         0.692307         93         0.0215054         780         0.0307692         0.0297824         0.539254         1         22 AF131215-1           0.271308         1.49821         93         0.0537635         780         0.0365385         0.0383734         1.21012         1         0.47131215-1           0.100567         2.13967         93         0.0376345         780         0.0179487         0.0200458         2.69854         1         -4 AF131215-1           0.673039         1.16949         93         0.0483871         780         0.0416667         0.0423826         0.178068         1         8 AF131215-1           0.794508         1.09076         93         0.016129         780         0.0128205         0.0544872         0.0549828         0.06784         1         4 AF131215-1           0.501936         1.77E-12         93         2.28E-15         780         0.00128205 <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00087108</td> <td></td> <td></td> <td></td> <td></td>						0.00087108				
0.846815         1.0328         93         0.317204         780         0.310256         0.310997         0.0373201         1 -2 AF131215-1           0.462742         0.692307         93         0.0215054         780         0.0307692         0.0297824         0.539254         1 22 AF131215-1           0.271308         1.49821         93         0.0537635         780         0.0365385         0.0383734         1.21012         1 0 AF131215-1           0.100567         2.13967         93         0.0376345         780         0.0179487         0.0200458         2.69854         1 -4 AF131215-1           0.673039         1.16949         93         0.0463871         780         0.0416667         0.0423826         0.178068         1 8 AF131215-1           0.794508         1.09076         93         0.0591398         780         0.0544872         0.0549828         0.06784         1 4 AF131215-1           0.501936         1.77E-12         93         2.28E-15         780         0.0128205         0.0114548         0.45084         1 2 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.00641026         0.000572738         0.225352         1 6 AF131215-1           0.187336         <			_					0.0979812	-	0 AF131215-1
0.462742         0.692307         93         0.0215054         780         0.0307692         0.0297824         0.539254         1         -2 AF131215-1           0.271308         1.49821         93         0.0537635         780         0.0365385         0.0383734         1.21012         1         0.47131215-1           0.100567         2.13967         93         0.0376345         780         0.0179487         0.0200458         2.69654         1         4 AF131215-1           0.673039         1.16949         93         0.0483871         780         0.0416667         0.0423826         0.178068         1         A AF131215-1           0.794508         1.09076         93         0.0591398         780         0.0544872         0.0549828         0.178068         1         A AF131215-1           0.716617         1.26229         93         0.016129         780         0.0128205         0.013173         0.131758         1         -6 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.00128205         0.00114548         0.45084         1         12 AF131215-1           0.187336         0.81879         93         0.0537562         780         8.65E-08         0.000572								1.47417		
0.271308         1.49821         93         0.0537635         780         0.0365385         0.0383734         1.21012         1 0 AF131215-1           0.100567         2.13967         93         0.0376345         780         0.0179487         0.0200458         2.69654         1 -4 AF131215-1           0.673039         1.16949         93         0.0483871         780         0.0416667         0.0423826         0.178068         1 -4 AF131215-1           0.794508         1.09076         93         0.0591398         780         0.0544872         0.0549828         0.06784         1 -4 AF131215-1           0.716617         1.26229         93         0.016129         780         0.0128205         0.013173         0.131758         1 -6 AF131215-1           0.501936         1.77E-12         93         2.28E-15         780         0.00128205         0.00114548         0.45084         1 12 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.000641026         0.000572738         0.225352         1 6 AF131215-1           0.187336         0.81879         98         0.484694         780         0.534615         0.529043         1.73844         1 0 AF131215-2           0.152999								0.0373201	1	
0.100567         2.13967         93         0.0376345         780         0.0179487         0.0200458         2.69654         1         4 AF131215-1           0.673039         1.16949         93         0.0483871         780         0.0416667         0.0423826         0.178068         1         4 AF131215-1           0.794508         1.09076         93         0.0591398         780         0.0544872         0.0549828         0.178068         1         8 AF131215-1           0.716617         1.26229         93         0.016129         780         0.0128205         0.013173         0.131758         1         -6 AF131215-1           0.501936         1.77E-12         93         2.28E-15         780         0.00128205         0.00114548         0.45084         1         12 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.000641026         0.000572738         0.225352         1         6 AF131215-1           0.187336         0.81879         98         0.484694         780         0.534615         0.529043         1.73844         1         0 AF131215-2           0.152999         1.24434         98         0.454082         780         0.406641         0.406606 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0307692</td> <td></td> <td></td> <td>1</td> <td>22 AF131215-1</td>						0.0307692			1	22 AF131215-1
0.673039         1.16949         93         0.0483871         780         0.0416667         0.0423826         0.178068         1         4 AF131215-1           0.794508         1.09076         93         0.0591398         780         0.0544872         0.0549828         0.06784         1         4 AF131215-1           0.716617         1.26229         93         0.016129         780         0.0128205         0.013173         0.131758         1         -6 AF131215-1           0.501936         1.77E-12         93         2.28E-15         780         0.00128205         0.00114548         0.45084         1         12 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.000641026         0.000572738         0.225352         1         6 AF131215-1           0.187336         0.81879         93         0.0537552         780         8.65E-08         0.000572738         0.225352         1         6 AF131215-1           0.152999         1.24434         98         0.454082         780         0.534615         0.529043         1.73844         1         0 AF131215-2           0.399191         1.69E-12         98         3.26E-15         780         0.0576923         0.05694										
0.794508         1.09076         93         0.0591398         780         0.0544872         0.0549828         0.06784         1         8 AF131215-1           0.716617         1.26229         93         0.016129         780         0.0128205         0.013173         0.131758         1         -8 AF131215-1           0.501936         1.77E-12         93         2.28E-15         780         0.00128205         0.00114548         0.45084         1         12 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.000641026         0.000572738         0.225352         1         6 AF131215-1           0.0342293         62457         93         0.00537562         780         8.65E-08         0.000572738         0.225352         1         6 AF131215-1           0.152999         1.24434         98         0.484694         780         0.534615         0.529043         1.73844         1         0 AF131215-2           0.59807         0.878137         98         0.0510205         780         0.0576923         0.0569476         0.148673         1         8 AF131215-2           0.416268         2.00001         98         0.0102041         780         0.007983         0.007084		1.16949	93				•			-4 AF131215-1
0.716617         1.26229         93         0.016129         780         0.0128205         0.013173         0.131758         1 4 AF131215-1           0.501936         1.77E-12         93         2.28E-15         780         0.00128205         0.00114548         0.45084         1 12 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.000641026         0.000572738         0.225352         1 6 AF131215-1           0.0342293         62457         93         0.00537562         780         8.65E-08         0.000572738         0.225352         1 6 AF131215-1           0.152999         1.24434         98         0.454082         780         0.534615         0.529043         1.73844         1 0 AF131215-2           0.699807         0.878137         98         0.0510205         780         0.0576923         0.0569476         0.148673         1 8 AF131215-2           0.416268         2.00001         98         0.0102041         780         0.00192308         0.00170843         0.710761         -8 AF131215-2           0.244447         0.834808         97         0.386598         795         0.430189         0.425448         1.35476         1 0 AF131215-4           0.482884         <				0.0591398						Ø AF131215-1
0.501936         1.77E-12         93         2.28E-15         780         0.00128205         0.00114548         0.45084         1         12 AF131215-1           0.634992         6.50E-10         93         4.17E-13         780         0.000641026         0.000572738         0.225352         1         6 AF131215-1           0.0342293         62457         93         0.00537562         780         8.65E-08         0.000572738         0.225352         1         6 AF131215-1           0.152999         1.24434         98         0.484694         780         0.534615         0.529043         1.73844         1         0 AF131215-2           0.699807         0.878137         98         0.0510205         780         0.0576923         0.0569476         0.148673         1         8 AF131215-2           0.416268         2.00001         98         0.0102041         780         0.00192308         0.00170843         0.710761         1         -8 AF131215-2           0.244447         0.834808         97         0.386598         795         0.430189         0.425448         1.35476         1         0 AF131215-4           0.482884         0.81344         97         0.0670104         795         0.436478         0.446				0.016129	780	0.0128205	0.013173			
0.0349293         6.30E-10         93         4.17E-13         780         0.000641026         0.000572738         0.225352         1         6 AF131215-1           0.0342293         62457         93         0.00537562         780         8.65E-08         0.000572738         4.48322         1         14 AF131215-1           0.152999         1.24434         98         0.454082         780         0.400641         0.406606         2.04209         1         4 AF131215-2           0.699807         0.878137         98         0.0510205         780         0.0576923         0.0569476         0.148673         1         8 AF131215-2           0.416268         2.00001         98         0.0102041         780         0.0051282         0.00569476         0.148673         1         -8 AF131215-2           0.244447         0.834808         97         0.386598         795         0.430189         0.425448         1.35476         1         0 AF131215-4           0.482884         0.81344         97         0.0670104         795         0.436478         0.446188         5.54432         1         14 AF131215-4           0.0175263         0.170104         97         0.0670104         795         0.0811321         0.0795				2.28E-15		0.00128205	0.00114548		-	
0.187336         0.81879         98         0.484694         780         0.534615         0.529043         1.73844         1         0.4731215-2           0.152999         1.24434         98         0.454082         780         0.400641         0.406606         2.04209         1         4.8131215-2           0.699807         0.878137         98         0.0510205         780         0.0576923         0.0569476         0.148673         1         8 AF131215-2           0.399191         1.69E-12         98         3.26E-15         780         0.00192308         0.00170843         0.710761         1         -8 AF131215-2           0.416268         2.00001         98         0.0102041         780         0.0051282         0.00569476         0.660829         1         -4 AF131215-2           0.244447         0.834808         97         0.386598         795         0.430189         0.425448         1.35476         1         0 AF131215-4           0.482884         0.81344         97         0.0670104         795         0.0811321         0.0795964         0.492344         1         12 AF131215-4           0.0175263         0.170104         97         0.0670104         795         0.0811321         0.0795964 <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.000641026</td> <td>0.000572738</td> <td></td> <td></td> <td></td>						0.000641026	0.000572738			
0.152999         1.24434         98         0.454082         780         0.529043         1.73844         1         0 AF131215-2           0.699807         0.878137         98         0.0510205         780         0.0576923         0.0569476         0.148673         1         8 AF131215-2           0.399191         1.69E-12         98         3.26E-15         780         0.00192308         0.00170843         0.710761         1         -8 AF131215-2           0.416268         2.00001         98         0.0102041         780         0.0051282         0.00569476         0.660829         1         -4 AF131215-2           0.244447         0.834808         97         0.386598         795         0.430189         0.425448         1.35476         1         0 AF131215-4           0.482884         0.81344         97         0.0670104         795         0.436478         0.446188         5.54432         1         14 AF131215-4           0.0175263         0.170104         97         0.0670104         795         0.0811321         0.0795964         0.492344         1         12 AF131215-4						8.65E <b>-</b> 08	0.000572738			
0.699807         0.878137         98         0.0510205         780         0.0576923         0.05769476         0.148673         1         8 AF131215-2           0.399191         1.69E-12         98         3.26E-15         780         0.00192308         0.00170843         0.710761         1         -8 AF131215-2           0.416268         2.00001         98         0.0102041         780         0.0051282         0.00569476         0.660829         1         -4 AF131215-2           0.244447         0.834808         97         0.386598         795         0.430189         0.425448         1.35476         1         0 AF131215-4           0.482884         0.81344         97         0.0670104         795         0.081321         0.0795964         0.492344         1         12 AF131215-4           0.0175263         0.170104         97         0.0670104         705         0.081321         0.0795964         0.492344         1         12 AF131215-4									1	0 AF131215-2
0.399191     1.69E-12     98     3.26E-15     780     0.00192308     0.00170843     0.710761     1     -8 AF131215-2       0.416268     2.00001     98     0.0102041     780     0.0051282     0.00569476     0.660829     1     -4 AF131215-2       0.244447     0.834808     97     0.386598     795     0.430189     0.425448     1.35476     1     0 AF131215-4       0.0185408     1.34314     97     0.0670104     795     0.0811321     0.0795964     0.492344     1     12 AF131215-4       0.0175263     0.170104     97     0.0815467     0.0795964     0.492344     1     12 AF131215-4								2.04209		4 AF131215-2
0.416268 2.00001 98 0.0102041 780 0.0051282 0.00569476 0.660829 1 -4 AF131215-2 0.244447 0.834808 97 0.386598 795 0.430189 0.425448 1.35476 1 0 AF131215-2 0.482884 0.81344 97 0.525773 795 0.436478 0.446188 5.54432 1 14 AF131215-4 0.0175263 0.170104 97 0.0670104 795 0.0811321 0.0795964 0.492344 1 12 AF131215-4	0.399191			3.26E-15		0.00192308				
0.244447 0.834808 97 0.386598 795 0.430189 0.425448 1.35476 1 0 AF131215-2 0.0185408 1.4314 97 0.525773 795 0.436478 0.446188 5.54432 1 14 AF131215-4 0.482884 0.81344 97 0.0670104 795 0.0811321 0.0795964 0.492344 1 12 AF131215-4		2.00001				0.0051282	_			
0.0185408									-	
0.482884 0.81344 97 0.0670104 795 0.0811321 0.0795964 0.492344 1 12 AF131215-4									-	U AF131215-4
									-	
0.000010 0.000010401 190 0.0290391 0.0269058 5.64280 1 0.054343454				0.00515467	795	0.0295597	0.0269058	5.64289		8 AF131215-4
0.230428 5 16E 13 07 0.015035 755 0.0150943 0.0151345 0.00157459 1 16 AF131215-4										16 AF131215-4
0.282932 8.68E-13 97 274E-15 795 0.00374358 0.00336323 1.38396 1 18 AF131215-4				1.80E-14 2 74E-16					1	18 AF131215-4
0.262932 6.68E-13 97 2.74E-15 795 0.00314465 0.00280269 1.15295 1 10 AF131215-4	- ·		٠,	Z.17E-13	190	0.00314465	U.UU280269	1.15295	1	10 AF131215-4

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FIG.	6B.	Allelic	<b>Association</b>	for Bipolar Disorder	,
rio.	00.	Allent	ASSUCIALIUI	TOP DIDDIAL DISOLUSI	,

FIG. 6B. A	Helic As	SOCI	ation for Bi	polai						
			Š		ba	<u> </u>				Ŀ
p-val		<u>:</u>	aff.freq	#con	con.freq	H0.freq		_	<u> </u>	marker
1 1		#aff	#	္ဆပ္	Ö	÷	\$	info	allele	펄
0.631289	5.34E-10	97	3.36E-13	795	0.000628931	0.000560538	0.230316		4 AF1312	215-4
0.282669	1.36545	96	0.0833332	801	0.062422	0.06466	1.15421	i	-6 AF1880	
	0.834559	96	0.307292	801	0.347066	0.342809	1.22298	1	0 AF1880	
0.239275		96	0.015625	801	0.0293383	0.0278707	1.38486	1	-12 AF1880	
0.594626	1.10444	96	0.21875	801	0.202247	0.204013	0.283178	1	-4 AF1880	29-1
0.821729	0.886101 0.907332	96	0.166667	801	0.184145	0.182274	0.358593	1	-8 AF1880	
0.021729	1.53673	96 96	0.03125 0.0729167	801 801	0.0343321	0.0340022	0.0507699	1	2 AF1880	
0.31964	1.29493	96	0.104167	801	0.0486891 0.082397	0.0512821 0.0847269	1.8681	1	-10 AF1880	
0.0744251	7.99E-12	96	7.05E-14	801	0.00873908	0.00780379	0.990419 3.18262	1	-2 AF1880	
0.634164	4.00E-10	96	2.50E-13	801	0.00062422	0.000557414	0.226457	1	4 AF1880 6 AF1880	
0.857216	1.02828	95	0.431579	804	0.424751	0.425473	0.0323707	1	0 AF1880	
0.714284	1.15403	95	0.0421052	804	0.0366915	0.0372636	0.134035	1	-2 AF1880	
0.44934	0.887774	95	0.378947	804	0.407338	0.404338	0.572316	1	2 AF1880	
0.691359	0.869309	95	0.0473684	804	0.0541045	0.0533927	0.157618	1	8 AF1880	29-10
0.244804	1.36547	95	0.1	804	0.0752488	0.0778643	1.35271	1	4 AF1880	
0.503764 0.636436	4.00E-10 5.51E-10	95 95	4.98E-13 3.43E-13	804	0.00124378	0.00111235	0.446998	1	-4 AF1880	-
0.717684	1.07492	94	0.18617	804 795	0.000621891 0.175472		0.223433	1	. 6 AF1880	
0.793631		94	0.0744681	795	0.0798742	0.176603 0.0793026	0.130723 0.0684341	1	0 AF1880	
0.634645	1.07691	94	0.579787	795	0.561635	0.563555	0.225814		4 AF1880 -12 AF1880	
0.438125	0.844172	94	0.138298	795	0.159748	0.15748	0.601188	1	-4 AF1880	
0.862499	1.20931	94	0.0053191	795	0.00440252	0.00449944	0.0299959	1	12 AF1880	
	0.843242	94	0.0159574	795	0.0188679	0.0185602	0.0815895	1	8 AF1880	
0.196727	0.82086	97	0.536083	809	0.584672	0.57947	1.66651	1	0 AF1880	
0.248982	1.19447	97	0.43299	809	0.389988	0.394592	1.32901	1	-4 AF1880	29-7
0.552933 0.53362	1.47921 0.55371	97 97	0.0154639 0.00515461	809	0.0105068	0.0110375	0.35209	1	2 AF1880	
0.340916	1.01E-10	97	2.51E-13	809 809	0.00927071 0.00247219	0.00883002 0.00220751	0.387493	1	-2 AF1880	
0.191893	3.36041	97	0.0103093	809	0.00247219	0.00220751	0.906983	1	6 AF1880	
0.639475	1.09324	63	0.5	449	0.477728	0.480469	1.70302 0.219429	1	4 AF1880 0 AF2879	
0.0672424		63	0.309524	449	0.393096	0.382812	3,34908	1	-6 AF2879	
0.880581	1.06508	63	0.0555556	449	0.0523385	0.0527344	0.0225698	i	-4 AF2878	
0.475142	1.51682	63	0.0317459	449	0.0211581	0.0224609	0.509994	1	2 AF2879	
0.0257079	3.04845	63	0.055556	449	0.0189309	0.0234375	4.97556	1	4 AF2879	
0.423074	1.60292	63	0.0317461	449	0.0200445	0.0214844	0.641761	1	-2 AF2879	57-1
0.945167 0.11589		63	0.015873	449	0.0167038	0.0166016	0.0047303		-14 AF2879	
0.968953	1.67752 0.993269		0.065 0.245	867 867	0.0397924	0.0423992	2.472		-12 D8S113	
0.818831	1.04133	100	0.245	867	0.246251 0.227797	0.246122 · 0.228542	0.00151491	1	4 D8S113	
0.215316	0.78042		0.155	867	0.190311	0.18666	0.0524635 1.53532	1	-8 D8S113	
0.973375	0.991546		0.095	867	0.0957324	0.0956567	0.00111396	1	0 D8S113 8 D8S113	
0.720807	0.927687	100	0.145	867	0.154556	0.153568	0.127721	1	-4 D8S113	
0.441571	1.33774		0.045	867	0.0340254	0.0351603	0.592198	1	12 D8S113	
0.978816	1.0202		-0.01	867	0.00980392	0.0098242		1	16 D8S113	
0.0330666	79563.9	100	0.00499945	867	6.32E-08	0.000517063	4.54233	1	20 D8S113	10
0.418155 0.837578	4.07E-12 1.03489		7.05E-15	867	0.0017301	0.00155119	0.655494	1	2 D8S113	
0.837578	1.03489	99 99	0.282828 0.469697	839	0.275924	0.276652	0.0420219	1	0 D8S146	
0.405936	1.18419	99	0.409697	839 839	0.465435 0.148987	0.465885	0.0129239	1	4 D8S146	-
0.237766		99	0.0404039	839	0.0601907	0.151386 0.0581023	0.69067 1.39379	1	8 D8S146	
0.704869	1.27538	99	0.0151515	839	0.0011919	0:0122601	0.143456	1	3 D8S146	
0.20717	0.546562	99	0.0202021	839	0.0363528	0.0346482	1.5911	1	-4 D8S146	
0.504045	1.40E-12	99	1.67E-15	839	0.0011919	0.0010661	0.446409	1	7 D8S146	
0.20041	0.81685	90	0.422222	845	0.472189	0.46738	1.63938	1	0 D8S169	
0.891445	1.04602	90	0.0611111	845	0.0585799	0.0588235	0.0186255	1	10 D8S169	
0.67357	0.899543	90	0.105556	845	0.115976	0.114973	0.177455	1	4 D8S169	
0.666936	0.921986	. 80	0.216667	845	0.230769	0.229412	0.185207	1	8 D8S169	5

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FIG.	6C.	Alielic .	<b>Association</b>	for	Bipola	r Disorder

r	FIG. 6C.	Allelic As	SOC	ation for B	<u>ipola</u>	r Disorder					
١	•			5		Ď	j-q-			<del></del>	
ł	ត្ត		-	aff.freq	=	con.freq	H0.freq	•		o)	marker
ı	p-val		#aff	ff.	#con	5	9.	8	info	allele	ar
٠	0.167565	1.7815	90	0.0444445	845	0.0254438		<u> </u>		<u></u>	<u>Ē</u> J
	0.00785119				845		0.0272727	1.9046	1		
	0.968082		90	0.00555556	845			7.06711 0.00160115	1		
	0.935689				845			0.00651081	1	1	
	0.233447				845	0.00414201	0.00374332	1.41974	1	16 D8S1695	
	0.524484 0.652729	4.71E-13 1.90E-10			845		0.00106952	0.405068	1	-4 D8S1695	
	0.832729				845			0.202477	1	9 D8S1695	
	0.152584	0.50491		0.0208333	643 643			0.878374	1	34 D8S1721	
	0.916389	1.01665	96	0.411458	643	0.407465		2.04623	1	36 D8S1721	
	0.785034			0.119792	643	0.12675		0.0110214 0.0744005	1	0 D8S1721	
	0.064966	1.54723		0.140625	643	0.0956454	0.101488	3.40584	1	2 D8S1721 4 D8S1721	
	0.0841884	1.79531		0.0677084	643	0.0388802		2.98213	1	24 D8S1721	
	0.360592	8.65E-12		2.02E-14	643	0.00233281	0.00202977	0.83583	1	30 D8S1721	
	0.565421 0.807385	0.666315 0.835523	-	0.0104167	643	0.0155521	0.014885	0.330405	1	8 D8S1721	
	0.23772	1.71E-12		0.0104166 6.69E-15	643 643	0.0124417	0.0121786	0.0594389	1	32 D8S1721	
	0.479937	0.512687		0.00520834	643	0.00388802 0.0101089	0.00338295 0.00947226	1.39406	1	26 D8S1721	
	0.597747	4.11E-11	96	3.20E-14	643	0.000777605	0.00067659	0.499006	1	38 D8S1721	
	0.597747	4.11E-11	96	3.20E-14	643	0.000777605	0.00067659	0.278407 0.278407	1	6 D8S1721 -2 D8S1721	
	0.597747	4.11E-11	98	3.20E-14	643	0.000777605	0.00067659	0.278407	1	-4 D8S1721	
	0.142602	0.801487		0.564356	866	0.617783	0.612203	2.14965	1	0 D8S1759	
	0.397877 0.33652	0.793563		0.0742575	866	0.0918014	0.089969	0.714734	1	2 D8S1759	
	0.357415	1.34288 1.22571		0.069307 0.138614	866	0.0525404	0.0542916	0.923645	1	10 D8S1759	
	0.962661	1.02935		0.138614	866 866	0.116051	0.118407	0.846955	1	12 D8S1759	
	0.466242	1.40237		0.029703	866	0.0144342 0.0213626	0.0144778 0.0222337	0.00219159	1	8 D8S1759	
	0.0763703	1.62526	101	0.0940594	866	0.0600462	0.0635988	0.530869 3.1405	1	6 D8S1759	
	0.504658	0.533584	101	0.00495051	866	0.00923787	0.00879007	0.445127	1	4 D8S1759 16 D8S1759	
	0.544336	0.656155		0.00990101	866	0.0150115	0.0144778	0.367562	1	14 D8S1759	
	0.415705 0.373568	4.59E-12		7.96E-15	866	0.0017321	0.00155119	0.662425	1	-2 D8S1759	
	0.322396	1.18012 0.685215	63 63	0.5 0.0555556	702	0.458689	0.462092	0.791763	1	0 D8S1825	
	0.593823	1.15537	63	0.142857	702 702	0.0790598	0.0771242	0.9792	1	8 D8S1825	
	0.0933142	0.649083	63	0.134921	702	0.126068 0.193732	0.127451	0.284413	1	10 D8S1825	
	0.680675	1.59657	63	0.00793648	702	0.00498576	0.188889 0.00522876	2.81625	1	6 D8S1825	
	0.495342	1.216	63	0.126984	702	0.106838	0.108497	0.169367 0.464902	1	-2 D8S1825 2 D8S1825	
	0.119951	4.40E-11	63	4.43E-13	702	0.00997151	0.00915033	2.41798	1	12 D8S1825	
	0.25365	1.96863	63	0.031746	702	0.0163818	0.0176471	1.30309	1	4 D8S1825	
	0.353489 0.67839	1.48E-11 1.14E-11	63	5.28E-14	702	0.00356125	0.00326797	0.860894	1	-1 D8S1825	
	0.317308	1.18665	63 79	8.13E-15	702	0.000712251	0.000653595	0.171944	1	14 D8S1825	
	0.672194	0.877854	79	0.398734 0.0759494	841 841	0.358502	0.361957	1.00001	1	4 D8S265	
	0.0197552	2.24E-11	79	4.07E-13	841	0.0856124 0.0178359	0.0847826 0.0163043	0.179047	1	18 D8S265	
	0.790552	1.07922	79	0.0949367	841	0.088585	0.0891304	5.4334 0.0705399	1	6 D8S265	
	0.11626	1.40175	79	0.202532	841	0.153389	0.157609	2.467	1	14 D8S265 0 D8S265	
	0.265927		79	0.056962	841	0.0808561	0.0788043	1.23764	i	-5 D8S265	
	0.260573 0.757312	0.757916	79	0.120253	841	0.152794	0.15	1.26571	i	2 D8S265	
	0.757312	1.12702 2.92E-12	79 79	0.0506329	841	0.0451843	0.0456522	0.0954888	1	12 D8S265	
		2.16E-10	79 79	2.98E-14 1.29E-13	841	0.010107	0.00923913	3.06744	1	16 D8S265	
	0.462784	1.45E-12	79	2.60E-15	841 841	0.00059453 0.00178359	0.000543478	0.179615	1	-3 D8S265	
	0.343023	3.46E-12	79	1.03E-14	841	0.00178359	0.00163043 0.00271739	0.539152	1	10 D8S265	
	0.671704	2.16E-10	79	1.29E-13	841	0.00257205	0.00271739	0.899099 0.179615	1	8 D8S265	
	0.671704	2.16E-10	79	1.29E-13	841	0.00059453	0.000543478	0.179615	1	20 D8S265 1 D8S265	
	0.671704	2.16E-10	79	1.29E-13	841	0.00059453	0.000543478	0.179615	1	-4 D8S265	
	0.700978 0.160376	1.12637	64	0.101562	762	0.0912074	0.0920097	0.147457	1	0 D8S351	
	0.100370	1.35485	64	0.257812	762	0.204068	0.208232	1.97068		18 D8S351	

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FIG. 6D. Allelic Association for Bipolar Disor	rder
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FIG. 6D.	Allelic As	soci	ation for B	ipola	r Disorder					
						77	<del></del>			
<u>ল</u>		-	يق	=	Ē	je.	,		Ф	ē
p-val		#aff	aff.freq	#con	con.freq	H0.freq	្ត្រី	info	allele	marker
0.140611	1.36696	64	0.273438	762					<u> </u>	
0.0828			0.101563	762			2.17126 3.00906	1	2 D8S351 6 D8S351	
0.714128			0.0390625	762	0,0459318		0.134188	1	20 D8S351	
0.0874914		64	1.70E-13	762		0.0108959	2.91993	i	10 D8\$351	
0.475253			0.0546875	762			0.509735	1	4 D8S351	
0.329101 0.641023		64	0.0546874	762	-		0.952431	1	8 D8S351	•
0.627473		64 64	0.0078125 0.101563	762			0.217407	1	-2 D8S351	
0.230432		64	0.00781248	762 762			0.235503	1	16 D8S351	
0.132055			1.03E-14	762	0.0218635		1.43819	1	14 D8S351	
0.421546	1.39E-10	64	3.67E-13	762			2.26817	1	12 D8S351	
0.720445	0.943516	98	0.322917	825		0.334419	0.646001 0.128067	1	22 D8S351	
0.368534	1.19191	96	0.197917	825			0.8086	1	-6 D8S503 -2 D8S503	
0.650243		98	0.317708	825			0.205594	1	0 D8S503	
0.55512		96	0.046875	825	0.0569697	0.0559175	0.348225	1	-4 D8S503	
0.143381	1.53953	96	0.0833333	825	0.0557576		2.14129	1	-8 D8S503	
0.158706 0.776741	3.62E-12 0.885429	96	1.98E-14	825	0.00545455	0.00488599	1.98651	1	4 D8S503	
0.416197	9.71E-12	96 96	0.03125 1.77E-14	825	0.0351515	0.0347448	0.080411	1(	2 D8S503	
0.250019	8.33E-13	96	3.04E-15	825 825	0.00181818 0.00363636	0.00162866	0.661029		-10 D8S503	
0.0265688	0.718366		0.50495	876	0.586758	0.00325733 0.578301	1.3232	1	-12 D8S503	
0.12838	1.30831		0.247525	876	0.200913	0.205732	4.91862 2.31198	1	2 D8S516	
0.804679	1.06406		0.0990099	876	0.0936073	0.0941658	0.0611552	1	4 D8S516	
0.351225	1.2526		0.113861	876	0.0930365	0.0951894	0.869025	1	-2 D8S516 0 D8S516	
0.0144311	8.78888	101	0.0148514	876	0.00171234	0.00307062	5.98463	1	8 D8S516	
0.262284	0.373998		0.00495048	876	0.0131279	0.0122825	1.25666	1	6 D8S516	
0.624055	1.37502		0.0148514	876	0.0108448	0.011259	0.240209	1	-4 D8S516	
0.147569 0.0793509	1.2585 0.702699	95 95	0.415789	663	0.361237	0.368074	2.0972	1	6 D8S520	
0.0737204	0.236635	95 95	0.163158 0.00526315	663	0.217195	0.210422	3.07815	1	8 D8S520	
0.454748	1.19608	95	0.126316	663 663	0.0218703	0.0197889	3.19818	1	10 D8S520	
0.681499	0.875169	95	0.0578948	663	0.107843 0.0656109	0.110158 0.0646438	0.558791	1	0 D8S520	
0.643367	0.886546	95	0.0947369	663	0.105581	0.104222	0.168443		-10 D8S520	
0.155991	1.39865	95	0.136842	663	0.10181	0.106201	0.214366 2.01267	1	2 D8S520 4 D8S520	
0.119945	7.46E-12	95	5.10E-14	663	0.00678733	0.00593668	2.41804		-12 D8S520	
0.604736	9.35E-12	95	7.06E-15	663	0.000754148	0.000659631	0.267911	1	9 D8S520	
0.0614545	3.16E-16	95	3.13E-18	663	0.00980392	0.0085752	3.49769	1	-2 D8S520	
0.46409 0.160754	1.17E-13	95	1.77E-16	663	0.0015083	0.00131926	0.536012	1	12 D8S520	
0.00752838	0.808303 1.67593	97 97	0.474227	840	0.527381	0.521878	1.96712	1	0 D8S542	
0.554142	0.907693	97	0.22165 0.304124	840 840	0.145238	0.153148	7.14237	1	4 D8S542	
0.417889	1.77E-10	97	3.16E-13	840	0.325 0.00178571	0.322839	0.349949	1	2 D8S542	
0.64009	4.66E-14	97	2.78E-17	840	0.000595238	0.00160085 0.000533618	0.656244	1	-2 D8S542	
0.709164	1.10417	93	0.0967742	814	0.0884521	0.0893054	0.218624 0.139113		·12 D8S542	
0.820119	1.05534	93	0.123656	814	0.117936	0.118523	0.0517073	1	-8 D8S550 12 D8S550	
0.55045	0.826982	93	0.0591398	814	0.0706388	0.0694598	0.356512	i	-6 D8S550	
0.07782	0.726739	93	0.22043	814	0.280098	0.27398	3.10985	1	14 D8S550	
0.170811	0.72134	93	0.107527	814	0.14312	0.139471	1.87581	1	-2 D8S550	
0.064467 0.395481	2.12756 1.28543	93	0.0483871	814	0.0233415	0.0259098	3.41856	1	8 D8S550	
0.0975753	1.77163	93 93	0.0806452 0.0645162	814	0.0638821	0.0656009	0.722025		10 D8S550	
0.343372	1.63802	93	0.0268817	814 814	0.0374693 0.0165848	0.0402426	2.74473		18 D8S550	
0.487631	1.19986	93	0.102151	814	0.0165848	0.0176406	0.897801		20 D8S550	
0.656014	1.14821	93	0.0698925	814	0.066093	0.0882029 0.0622933	0.481749		16 D8S550	
0.162329	6.71E-12	93	3.73E-14	814	0.00552826	0.0022933	0.198401 1.9524	1	0 D8S550	
0.351936	2.92E-14	93	7.19E-17	814	0.002457	0.00220507	0.866466	1	2 D8S550 22 D8S550	
0.51053	1.09E-10	93	1.35E-13	814	0.0012285	0.00110254	0.43298	1	6 D8S550	
0.51053	1.09E-10	93	1.35E-13	814	0.0012285	0.00110254	0.43298	i	4 D8S550	
								•		

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FIG. 6E. Allelic Association for Bipolar Disorder

1.0.02.7	THE HE	300	auon for B	ibois	r Disorder					
			5	,	Ed		T			
p-val		<b>8</b> =	aff.freq	=	nerij nog	fred fred	5		a)	marker
1 5		#aff	#	#con	5	-	. ~	info	allele	Ė
0.136893		27	0.5	391					<u> </u>	E
0.136893		3 27	0.5						1 1	DG00AAHBG
0.300119				725					1 2	DG00AAHBG
0.300119				725					1 2 1 1	DG00AAHBH
0.247129				811	0.68002					DG00AAHBH DG00AAHBI
0.247129		-		811		0.323597			1 1	
0.259878 0.259878	_			531		0.200162		•		DG8S117
0.239676				531		0.799838	1.26941	1		DG8S117
0.949601	1.01672		0.910891	826			0.00399521	1	-	DG8S118
0.247725		87	0.0891089 0.396552	826				1	5	DG8S118
0.51935			0.396552	604 604				1	0	DG8S127
0.0968201	1.30975		0.105446	604				1		DG8S127
0.245581	8.27E-12		3.44E-14	604				1		DG8S127
0.677323	0.92813	93	0.736559	646		0.748985		1		DG8S127
0.677323	1.07744		0.263441	646				1		DG8S128
0.610112	0.920497	92	0.353261	772	0.372409			1	-	DG8S128
0.334773	0.860241	92	0.5	772	0.537565	0.533565	0.930347	1	-	DG8S130
0.986165	0.987072	92	0.0108696	772	0.0110104	0.0109954		1		DG8S130 DG8S130
0.291287	4.2132	92	0.00543485	772	0.00129533	0.00173611	1.11366	1		DG8\$130
0.00263246 0.664976	2.62787	92	0.0869566	772	0.0349741	0.0405093		1	-16	DG8S130
0.244659	1.18581 6.34E-13	92	0.0434783	772	0.0369171	0.0376157	0.187536	1		DG8S130
0.410915	2.49E-11	92 92	2.47E-15	772	0.00388601	0.00347222	1.35355	1	-12	DG8S130
0.71498	1.08295	98	4.84E-14	772	0.00194301	0.00173611	0.676151	1	-8	DG8S130
0.592821	0.888749	98	0.862245 0.132653	739	0.852503		0.133354	1		DG8S134
0.183435	7.57436	98	0.00510204	739 739	0.14682	0.145161	0.285961	1		DG8S134
0.774126	1.04852	92	0.668478	779	0.00067659 0.657895	0.00119474	1.76957	1	2	DG8S134
0.39935	0.705966	92	0.0326087	779	0.0455712	0.659013 0.0442021	0.0823589	1		DG8S136
0.986516	1.00499	92	0.076087	779	0.0757381	0.075775	0.710282 0.000285615	1	6	DG8S136
0.803865	1.09048	92	0.0543478	779	0.0500642	0.0505166	0.0616768	1	-6	DG8S136
0.940311	1.02503	92	0.0597826 -	779	0.0584082	0.0585534	0.00560683	1	2	DG8S136
0.641268	0.84886	92	0.0489131	779	0.0571245	0.0562572	0.217088	1		DG8S136 DG8S136
0.251291	0.532858	92	0.0163044	779	0.0301669	0.0287026	1.31611	1		DG8S136
. 0.636514 0.412203	4.82E-11	92	3.09E-14	779	0.000641849	0.000574053	0.22333		-10	DG8S136
0.290348	1.52634 3.25E-12	92 92	0.0271739	779	0.0179718	0.0189437	0.672438	1		DG8S136
0.288632	4.2514	92	1.05E-14 0.00543481	779	0.00320924	0.00287026	1.11801	1	-8 i	DG8S136
0.0861802	5.69597	92	0.00543481	779	0.00128369	0.00172216	1.12599	1	10 1	DG8S136
	0.554385	19	0.210526	779 234	0.00192555 0.324786	0.00287026	2.94432	1	-14 [	DG8S136
0.0225578	108030	19	0.0263127	234	0.324786 2.50E-07	0.316206	2.27265	1	-2 [	DG8S137
0.24739	1.87447	19	0.131579	234	0.0747863	0.00197628 0.0790514	5.20224	1		DG8S137
0.616114	1.29561	19	0.131579	234	0.104701	0.106719	1.33798	1	2 [	DG8S137
0.971193	1.02778	19	0.0526315	234	0.0512821	0.0513834	0.251367 0.00130407	1	6 [	DG8S137
	0.780645	19	0.184211	234	0.224359	0.221344	0.342052	1	10 E	DG8S137
0.470942	1.46008	19	0.131579	234	0.0940171	0.0968379	0.519764	1		DG8S137 DG8S137
-	0.825975	19	0.0789474	234	0.0940171	0.0928854	0.0989647	i		DG8S137 DG8S137
0.697516 0.428411	1.55406	19	0.0263158	234	0.017094	0.0177866	0.151068	1		0G8S137
0.692589	1.33E-11 1.98E-10	19	1.14E-13	234	0.008547	0.00790514	0.627129	1	8 0	G8S137
0.193815	6.29729	19 19	4.23E-13	234	0.00213675	0.00197628	0.156297	1		G8S137
	0.607662	91	0.0263158 0.0824176	234	0.00427351	0.00592885	1.68838	1		G8S137
0.0563616	1.65529	91	0.0824176	761	0.128778	0.123826	3.55114	1		G8S138
	4.06E-10	91	2.67E-13	761 761	0.870565	0.875587	3.64134	1	0 0	G8S138
0.992623	1.00158	81	0.401235	585	0.00065703 0.400855	0.000586854	0.225977	1		G8S138
0.990781	1.00198	81		585	0.598291	0.400901 0.598348	8.55E-05	1		G8\$147
	1.11E-12	81		585		0.000750751	0.000133512	1		G85147
0.306745	0.715394	97		694	0.0706052	0.068268	0.25946 1.04464	1		G8\$147
					· <del></del>		1.04404	,	-4 D	G8S148

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FIG. 6F. Alle	lic Association	for Bipolar	Disorder
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FIG. 6F. A	Illelic Ass	oci	ation for Bi	polar	Disorder					
			D.		b <sub>o</sub>	· 67				
<u>la</u>		<b>5</b> =	_ aff.freq	Ę	con.freq	H0.freq		_	<u>. e</u>	marker
p-val	_	#aff	, <b>;</b>	#con	Ď	2	Ş	info	allele	ם
0.189157	1.24392	97	0.324742	694	0.278818	0.28445	1.72417	<u>-=</u>		_=_
0.0232615		97	0.170103	694	0.241354	0.232617	5.14887	1		
0.486186	1.11554	97		694	0.376081	0.379267	0.484957	1		
0.499249	1.31378	97	0.0412371	694	0.0317003	0.0328698	0.456533	1		
0.00372723	78879.2	97	0.0103083	694	1.32E-07	0.00126422	8.41214	1		
0.469286	5.48E-11	97		694	0.00144092	0.00126422	0.523658	1	-17 DG8S148	
0.113102 0.755554	1.39634 0.90203	50 50	0.51	473	0.427061	0.43499	2.51033	1	-2 DG8S153	
0.630406		50	0.11	473	0.120507	0.119503	0.0969232	1		
0.0818552		50	0.01 0.0799999	473 473	0.0158562	0.0152964	0.231511	1		
0.843493	0.938637	50	0.0799999	473	0.138478 0.12685	0.132887	3.02767	1		
0.940056	1.03404	50	0.06	473	0.0581395	0.126195 0.0583174	0.0389776	1		
0.693522	0.815219	50	0.04	473	0.0486258	0.0478011	0.005655	1		
0.836	1.13938	50	0.0299999	473	0.0264271	0.0267686	0.155299 0.0428544	1		
0.934189	1.05269	50	0.0299999	473	0.0285412	0.0286807		1		
0.315528	1.24E-11	50	6.58E-14	473	0.00528541	0.00478011	0.00681865 1.0074	1	4 DG8S153 12 DG8S153	
0.480374	2.37881	50	0.0100001	473	0.00422832	0.00478011	0.498013	1	-4 DG8S153	
0.691922	0.906871	43	0.290698	453	0.311258	0.309476	0.157012	1	4 DG8S155	
0.260822	1.47027	43		453	0.0993377	0.102823	1.26439	1	8 DG8S155	
0.613999	1.38763	43	0.0348837	453	0.0253863	0.0262097	0.254392	1	14 DG8S155	
0.980677	0.990648	43	0.0930232	453	0.093819	0.09375	0.000586596	1	2 DG8S155	
0.316582	0.759107	43	0.197674	453	0.245033	0.240927	1.00302	1	6 DG8S155	
0.682666	0.825983	43	0.0581394	453	0.0695364	0.0685484	0.16714	1	10 DG8S155	
0.45664	1.29768	43	0.127907	453	0.101545	0.103831	0.554118	1	0 DG8S155	
0.319621	0.515476	43	0.0232558	453	0.0441501	0.0423387	0.990498	1	12 DG8S155	
0.331856	3.54119	43	0.0116279	453	0.00331126	0.00403226	0.941641	1		
0.128687	10.6473	43	0.011628	453	0.00110374	0.00201613	2.30827	1	-16 DG8S155	
0.670119	8.40E-13	43	9.28E-16	453	0.00110375	0.00100806	0.181463	1	-2 DG8S155	
0.128687	10.6473	43	0.011628	453	0.00110374	0.00201613	2.30827	1	-12 DG8S155	
0.460382 0.40513	1.52E-11	43	5.04E-14	453	0.00331126	0.00302419	0.544966	1	16 DG8S155	
0.245044	1.14371 0.83143	89 89	0.41573	777	0.383526	0.386836	0.693046	1	6 DG8S156	
0.20887	1.63567	89	0.522472 0.0505618	777	0.568211	0.56351	1.35134	1	0 DG8S156	
0.401222	2.9209	89	0.00561798	777 777	0.0315315	0.0334873	1.57924	1	-6 DG8S156	
0.265718	0.376077	89	0.00561801	777	0.0019305	0.00230947	0.704662	1	3 DG8S156	
0.33947	0.732904	82	0.920732	556	0.0148005 0.940647	0.0138568	1.23872	1	9 DG8S156	
0.475481	1.29748	82	0.0609756	556	0.0476619	0.938088 0.049373	0.912432	1	0 DG8S159	
0.502159	1.57525	82	0.0182927	556	0.0116906	0.0125392	0.509211 0.450371	1	-2 DG8S159	
0.365296	0.8673	95	0.389474	735	0.42381	0.41988	0.430371	1	2 DG8S159 0 DG8S161	
. 0.365296	1.153	95	0.610526	735	. 0.57619	0.58012	0.819604	1	2 DG8S161	
0.104578	1.27982	97	0.530928	815	0.469325	0.475877	2.6343	1	0 DG8S163	
0.104578	0.781357	97	0.469072	815	0.530675	0.524123	2.6343	1	3 DG8S163	
0.616405	1.09015	83	0.349398	759	0.33004	0.331948	0.250952	1	0 DG8S170	
0.438895	0.877032	83	0.620482	759	0.650856	0.647862	0.599168	1	2 DG8S170	
0.413258	1.60494	83	0.0240964	759	0.0151515	0.0160333	0.66941	1	-4 DG8S170	
0.266779	4.59391	83		759	0.00131753	0.00178147	1.23323		-19 DG8S170	
0.519255	9.02E-11	83	1.19E-13	759	0.00131752	0.00118765	0.415373	1	-2 DG8S170	
0.519255	9.02E-11	83	1.19E-13	759	0.00131752	0.00118765	0.415373	1	-8 DG8S170	
0.139776		95	0.378947	643	0.435459	0.428184	2.18043	1	14 DG8S177	
0.693639	0.675133	95		643	0.00777605	0.00745257	0.155174	1	20 DG8S177	
0.278312	1.49758	95	0.0526316	643	0.0357698	0.0379404	1.17531	1	10 DG8S177	
0.364696	1.17506	95	0.268421	643	0.237947	0.24187	0.821658	1	12 DG8S177	
0.653875 0.82908	1.12247 1.05125	95 95	0.105263	643	0.0948678	0.096206	0.201049	1	18 DG8S177	
0.457668	9.87E-11	95 95	0.131579	643	0.125972	0.126694	0.0466051	1	16 DG8S177	
0.880841	0.951725	95	1.54E-13 0.0578947	643	0.00155521	0.00135501	0.551597	1	2 DG8\$177	
0.724908	0.944594	87	0.0576947	643 622	0.0606532 0.525723	0.0602981	0.0224708	1	0 DG8S177	
0.724908	1.05866	87	0.488506	622	0.525723	0.523977 0.476023	0.123839	1	0 DG8S179	
			J 50000		VIT/ 761 /	0.770023	0.123839	1	7 DG8S179	

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FIG. 6G. Allelic Association for Bipolar Disorder

FIG. 6G. /	Allelic As	SOC	iation for E	3ipola	r Disorder					
						<u> </u>			····	<del></del> -
क ।			aff. fred	_		HO.frea	,		4	marker
p-val		#aff	<u> </u>	#con	۶	<u> </u>		.0	allele	귈
0.762507	0.948204	9:	0.20045	#			¤	info	<b>a</b>	22
0.143746						6 0.272222		1		
0.180075								1		
0.624977						_	,	1	0 DG8S181	
0.0951353								1	14 DG8S181	
0.0858196						_		1		
0.846265								1		
0.953238	0.93953	95		625				1		
0.506027		95		625				1		
0.205305			0.0105263	625			0.442274 1.60423	1		
0.84956				625				1		
0.351987				818	0.920538		0.866281	1	,	
0.351987	1.32938			818	0.0794621		0.866281	1	-3 DG8S182	
0.457958		81	0.734568		0.76131	0.75831	0.550882	1		
0.457958 0.419757	1.15252		0.265432		0.23869	0.24169	0.550882	1	-1 DG8S188	
0.51537	1.1713 1.17558			568	0.554577	0.558214	0.650995	1	0 DG8S192	
	0.338217	59 59		568	0.170775		0.423149	1	2 DG8S192	
0.677246	1.16807	59	0.00647457	568	0.0246479		1.58982	1	16 DG8S192	
		59	0.0677967	568 568	0.0660211		0.173242	1	4 DG8S192	
0.57227	0.800065	59	0.059322	568	0.0994718 0.0730634		1.34602	1	-2 DG8S192	
0.319662	2.38E-12	59	1.05E-14	568	0.00440141		0.318899	1	12 DG8S192	
0.373517	7.84E-11	59	2.77E-13	568	0.00352113		0.990328 0.791929	1		
0.529354	1.62E-13	59	2.87E-16	568	0.00176056		0.395632	1	10 DG8S192	
0.529354	1.62E-13	59	2.87E-16	568	0.00176056		0.395632	1	-4 DG8S192 14 DG8S192	
0.0217834	0.700803	97	0.546392	730	0.632192		5.26301	1	0 DG8S192	
0.0217834	1.42694	97	0.453608	730	0.367808	0.377872	5.26301	i	1 DG8S197	
0.0928033 0.935151	1.29436 0.98689	98	0.566327	677	0.502216	0.510323	2.82506	1	0 DG8S201	
0.0212726	0.54752	98 98	0.331633	677	0.334564	0.334194	0.00662036	1	4 DG8S201	
0.628116		98	0.0765306 0.0255102	677	0.131462		5.30432	1	-2 DG8S201	
0.779148	0.906211	97	0.948454	677 735	0.0317578		0.234624	1	2 DG8S201	
0.779148	1.1035	97	0.0515464	735	0.953061 0.0469388	0.952524	0.0786405	1	0 DG8S212	
0.501767	0.866166	53	0.613207	392	0.646684	0.047476 0.642697	0.0786405	1	2 DG8S212	
0.469316	1.1675	53	0.386792	392	0.350765	0.355056	0.451197 0.523585	1	4 DG8S215	
0.476067	6.32E-11	53	1.62E-13	392	0.00255102	0.00224719	0.507858	1	0 DG8S215	
0.0493249	1.4219	83	0.445783	292	0.361301	0.38	3.86426	1	2 DG8S215 0 DG8S221	
0.492758	1.14224	83	0.301205	292	0.273973	0.28	0.470498	i	5 DG8S221	
0.357409 0.922396	0.668952 0.974125	83	0.0361446	292	0.0530822	0.0493333	0.846976	1	7 DG8S221	
	0.416254	83 83	0.120482 0.0783132	292	0.123288	0.122667	0.00948998	1	4 DG8S221	
	0.878049	83	0.0783132	292	0.169521	0.149333	9.56296	1	-2 DG8S221	
	4.03E-11	83	6.91E-14	292 292	0.0136986	0.0133333	0.0274055	1	1 DG8S221	
0.655811	1.76363	83	0.00602407	292	0.00171233 0.00342466	0.00133333	0.500724	1	8 DG8S221	
0.787685	1.04516	94	0.340426	726	0.330578	0.004 0.331707	0.198652	1	-1 DG8S221	-
0.458767	1.12444	94	0.409575	726	0.381543	0.384756	0.0725321	1	0 DG8S232	
	0.622749	94	0.0957447	726	0.145317	0.139634	0.548901 3.71806	1	2 DG8S232	
0.695287	1.11362	94	0.0904255	726	0.0819559	0.0829268	0.153421	1	-8 DG8S232 -4 DG8S232	
0.965139 0.519055		94	0.0372341	726	0.0378788	0.0378049	0.00191022	1	4 DG8S232	
	1.38954 8.43E-13	94	0.0265958	726	0.0192837	0.020122	0.41577	1	-2 DG8S232	
	1.26E-10	94 94	5.81E-16		0.000688705		0.243588	1	-6 DG8S232	
0.0309669	2.01171	96	3.48E-13 0.953125	726	0.00275482	0.00243902	0.9753	1	6 DG8S232	
	0.497086	96	0.933125	672 672	0.90997 0.0900298	0.915365	4.6548	1	0 DG8S238	
0.120276	0.73024	57	0.570176	476	0.0900298	0.0846354	4.6548	1	-8 DG8S238	
0.120276	1.36941	57	0.429825	476	0.355042	0.636961 0.363039	2.41372	1	4 DG8S242	
0.130702	1.55627	93	0.930108	468	0.895299	0.90107	2.41372 2.28415	1	0 DG8S242	
0.926667 (	0.969323	93	0.0591398	468	0.0608974	0.0606061	0.00847127	1	0 DG8S245	
								•	-4 DG8S245	

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FIG. 6H. Allelic Association for Bipolar Disorder

FIG. 6H. /	FIG. 6H. Allelic Association for Bipolar Disorder										
			Ď.		con.freq	Ď.				<u>.</u>	
p-val		生	aff.freq	#con	- F	H0.freq			9	marker	
		#aff	aff	<u>ಫ</u>	5	웃	22	info	allele	폩	
0.326233		84	0.529762	682	0.569648	0.565274	0.963792		1 0 DG8S249	لگ	
0.396524 0.92549				_		0.184073	0.718843		1 -19 DG8S249		
0.278027							0.00874613	•	1 -17 DG8S249		
0.901316		84		682 682		0.0143603	1.17671		1 -21 DG8S249		
0.701106				682		0.0979112 0.00913838	0.0153757		-2 DG8S249		
0.356731		84		682		0.0450392	0.147323		6 DG8S249		
0.0202989	3.87E-12	84		682	0.0168622	0.0150131	0.849367 5.386	1			
0.95049				682	0.0124633	0.0124021	0.00385535	1			
0.201691		84			0.00513197	0.00456919	1.63009	1			
0.0945611 0.394709	1.89873	84		682	0.0322581	0.035248	2.79496	1			
0.354176		96		584	0.052226	0.0544118	. 0.724387	1			
0.668478		96 96		584	0.244007	0.239706	0.85844	1	-4 DG8S250		
0.278992		96		584 584	0.129281 0.190068	0.130882	0.183387	1			
0.0750708	0.71287	96		584	0.150068	0.194853 0.242647	1.17199	1			
0.481973		96		584	0.0642123	0.0661765	3.16851 0.494395	1			
0.896366		96	0.0104167	584	0.00941781	0.00955882	0.0169659	1			
0.0784271	2.81235	98	0.0260417	584	0.00941781	0.0117647	3.0972	1			
0.695254		96	0.015625	584	0.0196918	0.0191176	0.153458	1			
0.76000 <b>7</b> 0.90986	1.22011	96	0.015625	584	0.0128425	0.0132353	0.0933133	1			
0.269464	1.0747 7.68E-14	96 96	0.015625	584	0.0145548	0.0147059	0.0128176	1			
0.751011	0.949842	92	2.64E-16 0.619565	584 680	0.00342466	0.00294118	1.21947	1			
0.95664	1.00924	92	0.315217	680	0.631618 0.313235	0.630181	0.100683	1			
0.770454	1.11429	92	0.0489131	680	0.0441176	0.313472 0.0446891	0.00295614 0.0851363	1	-2 DG8S257		
0.942723	1.05652	92	0.0108696	680	0.0102941	0.0103627	0.00516202	1 1	-6 DG8S257 2 DG8S257		
0.187243	7.42615	92	0.00543476	680	0.000735298	0.00129534	1.73918	1	-9 DG8S257		
0.599971	1.11205	83	0.216867	637	0.199372	0.201389	0.275039	1	15 DG8S258		
0.208266 0.0488866	1.23457	83	0.602409	637	0.55102		1.58344	1	18 DG8S258		
0.0470735	0.650118 1.80E-15	83 83	0.150602	637	0.214286	0.206944	3.87924	1	12 DG8S258		
0.483799	3.57E-11	83	2.29E-17 5.61E-14	637 637	0.0125589	0.0111111	3.94276	1	0 DG8S258		
0.483799	3.57E-11	83	5.61E-14	637	0.00156986 0.00156986	0.00138889	0.490289	1	33 DG8S258		
0.706939	1.23358	83	0.0240964	637	0.0196232	0.00138889 0.0201389	0.490289	1	24 DG8S258		
0.0375366	58362.2	83	0.0060233	637	1.04E-07	0.000694444	0.141353 4.3259	1	21 DG8S258 11 DG8S258		
0.759909	0.936597	57	0.692982	549	0.70674	0.705446	0.0933912	1	2 DG8S261		
0.759909	1.06769	57	0.307018	549	0.29326	0.294554	0.0933912	1	0 DG8S261		
0.969404	1.02076	55	0.0363637	561	0.0356506	0.0357143	0.00147113	1	-4 DG8S262		
0.683866 0.843058	0.921811 0.931097	55 55	0.509091	561	0.529412	0.527597	0.165808	1	0 DG8S262		
0.216881	1.32844	55	0.0818182 0.272727	561	0.087344	0.0868506	0.0391974	1	-10 DG8S262		
0.603723		55	0.0272726	561 561	0.220143	0.224838	1.52489	1	2 DG8S262		
0.767637	0.880436	55	0.0545455	561	0.0365419 0.0614973	0.0357143	0.269417	1	-2 DG8S262		
0.86772	1.1358	55	0.0181818	561	0.0160428	0.0608766 0.0162338	0.0873005 0.0277405	1	4 DG8S262		
0.386639	2.81E-11	55	1.01E-13	561	0.00356506	0.00324675	0.749485	1	6 DG8S262 8 DG8S262		
0.150491	8.87E-13	55	8.79E-15	561	0.00980392	0.00892857	2.06726	•	-14 DG8S262		
0.233927	1.24619	97	0.231959	751	0.195073	0.199292	1.41682	1	15 DG8S265		
0.823939 0.0311666	1.03482	97	0.56701	751	0.558589	0.559552	0.0494978	1	18 DG8S265		
0.0311666	2.75E-12 0.772375	97 97	3.53E-14	751 754	0.0126498	0.0112028	4.64376	1	0 DG8S265		
0.485625	4.63E-11	97	0.170103 6.17E-14	751 751	0.20972	0.205189	1.7208	1	12 DG8S265		
0.473203	1.44523	97	0.0257732	751 751	0.00133156 0.017976	0.00117925 0.0188679	0.486205	1	33 DG8S265		
0.925649	1.10659	97	0.00515466	751	0.00466045	0.00471698	0.514486	1	21 DG8S265		
0.631697	1.08177	85	0.476471	615	0.456911	0.459286	0.00870867 0.229767	1	-6 DG8S265		
0.777865	0.954415	85	0.423529	615	0.434959	0.433571	0.0795817	1	-2 DG8S266 0 DG8S266		
0.74591	0.916458	85	0.1	615	0.10813	0.107143	0.105	i	-4 DG8S266		
0.484424	1.11477	97	0.417526	741	0.391363	0.394391	0.488888	1	-4 DG8S269	_	

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110. VI. Allelic Association for Bindlar Diearda	FIG. 61.	Allelic	Association	for Bipolar Disorde
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rio. bi. A	Helic Ass	ocia	tion for Big	olar					_	
			5		con.freq	5				٦
p-val		#	aff.freq	#con	j.f	H0.freq			•	marker
		#aff		္နွင္	ᅙ	오	Ş	info	allefe	폩
0.111271	0.783298	97	0.520619	741		0.573986	2.53608	1	0 DG8S269	رعــ
0.0207518	2.31734	97	0.0618557	741			5.34751	i	-5 DG8S269	
0.0125222		50	0.19	567			6,23539	1	-2 DG8S271	
0.0965033 0.673308	1.44289 1.16162	50	0.69	567			2.7624	1	0 DG8S271	
0.0272474		50 50	0.1	567			0.177756	1	2 DG8S271	
0.201722	2.20843	95	0.02 0.0210526	567 674		0.00324149	4.87506	1	4 DG8S271	
0.0361748	1.41743	95	0.347368	674		0.0110533 0.282185	1.62986	1	-6 DG8S277	
0.63596		95	0.268421	674		0.282835	4.38885	1	10 DG8S277	
0.865799	0.951486	95	0.0736842	674	0.0771513		0.224065 0.0285598	1	0 DG8S277 -2 DG8S277	
0.0947257	0.726956	95	0.189474	674		0.236671	2.79217	i	2 DG8S277	
0.241235	0.640208	95	0.0368422	674		0.0539662	1.37337	1	8 DG8S277	
0.956609	0:96694	95	0.0157895	674	0.0163205	0.0162549	0.00296041	i	4 DG8S277	
0.25043	1.15E-12	95	4.27E-15	674		0.00325098	1.32091	1	14 DG8S277	
0.0578435	2.71467	95	0.0315789	674		0.0143043	3.59816	1	6 DG8S277	
0.161764		95	0.00526316	674		0.0156047	1.95766	1	12 DG8S277	
0.577818 0.765951	1.58274 1.05169	95 83	0.0105263	674		0.00715215	0.309775	1	-4 DG8S277	
0.684656	0.929874	83	0.60241 0.307229	576 576	0.590278 0.322917	0.591806	0.0886105	1	0 DG8S285	
0.742479	1.10872	83	0.0783133	576	0.322917	0.320941 0.0720789	0.164932	1	2 DG8S285	
0.716093	0.768292	83	0.0120482	576	0.015625	0.0720789	0.10796	1	1 DG8S285	
0.571041	0.909551	87	0.586207	500	0.609	0.605622	0.132267 0.320945	1	-1 DG8S285	
0.9626	1.00913	87	0.235632	500	0.234	0.234242	0.00219873	1	0 DG8S291 4 DG8S291	
0.0818958	1.52991	87	0.149425	500	0.103	0.109881	3.02687	1	2 DG8S291	
, 0.0664868	0.38118	87	0.0172414	500	0.044	0.0400341	3.36769	1	-2 DG8S291	
0.858761	1.15116	87	0.0114942	500	0.01	0.0102215	0.0316667	1	6 DG8S291	
0.988027	1.00277	80	0.7125	729	0.711934	0.71199	0.000225189	1	2 DG8S292	
0.988027		80	0.2875	729	0.288066	0.28801	0.000225189	1	0 DG8S292	
0.831828 0.551964	1.03936 0.905275	90	0.255555	727	0.248281	0.249082	0.0450957	1	12 DG8S297	
0.593688	0.820513	90 90	0.327778 0.0444444	727	0.350069	0.347613	0.353811	1	0 DG8S297	
0.933583	0.980521	90	0.127778	727 727	0.0536451	0.0526316	0.284622	1	14 DG8S297	
0.974297	0.984668	90	0.0277778	727	0.129986 0.0281981	0.129743	0.00694513	1	4 DG8S297	
0.290398	1.27318	90	0.15	727	0.121733	0.0281518 0.124847	0.00103809 1.11778	1	10 DG8S297	
0.223202	0.347581	90	0.0055553	727	0.0158184	0.0146879	1.48366	1	16 DG8S297 8 DG8S297	
0.464751	1.4551	80	0.0277778	727	0.0192572	0.0201958	0.534428	1	18 DG8S297	
0.0530974	3.64899	90	0.0222222	727	0.00618982	0.00795594	3.74085	i	-4 DG8\$297	
0.379013	0.552111	90	0.0111111	727	0.019945	0.0189718	0.773901	1	6 DG8S297	
0.62894	7.55E-10	90	5.20E-13	727	0.000687757	0.000611995	0.233501	1	2 DG8S297	
0.146628	6.57E-12	90	4.09E-14	727	0.00618982	0.00550796	2.10699	1	-2 DG8S297	
0.484916 0.503167	0.874705	98	0.795918	726	0.816804	0.81432	0.487787	1	0 DG8S298	
0.864815	1.13979 1.14116	98 98	0.193878 0.0102041	726	0.174242	0.176578	0.448251	1	2 DG8S298	
0.945889	1.01429	87	0.816092	726 602	0.00895316	0.00910194	0.0289844	1	1 DG8S298	
0.945889	0.985915	87	0.183908	602	0.813953 0.186047	0.814224	0.00460641	1	0 DG8S301	
0.575354	1.0993	86	0.366279	666	0.344595	0.185776 0.347074	0.00460641	1	1 DG8S301	
0.771509	0.950489	86	0.30814	666	0.319069	0.317819	0.313806 0.0843334	1	26 DG8S302	
0.345297	0.781118	86	0.0988373	666	0.123123	0.120346	0.890667	1	28 DG8S302 24 DG8S302	
0.629411	1.17834	86	0.0639535	666	0.0548048	0.0558511	0.23286	i	30 DG8S302	
0.882719	1.03304	86	0.162791	666	0.158408	0.15891	0.0217632	1	0 DG8S302	
0.701115	1.07445	88	0.767045	756	0.753968	0.755332	0.147314	1	2 DĠ8\$303	i
0.30383	2.47127	88	0.0113637	756	0.00462963	0.00533175	1.05731	1	4 DG8S303	
0.569859		88	0.221591	756	0.240741	0.238744	0.322918	1	-2 DG8S303	
0.638818 0.323683	9.80E-13 1.27067	88 51	6.48E-16	756	0.000661376	0.000592417	0.220291	1	0 DG8S303	
	0.843182	51	0.754902 0.137255	315 315	0.707936	0.714481	0.974008	1	4 DG8S307	
	0.948194	51	0.137255	315	0,15873 0.0412698	0.155738 0.0409836	0.316815	1	0 DG8S307	
0.425627	0.726679	51	0.0686275	315	0.0920635	0.0409836	0.00953574 0.634727	1	8 DG8S307	
		•				0.0001010	0.004121	1	-4 DG8S307	

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FIG. 6J.	Allelic .	Association	for	<b>Bipolar</b>	Disorder

Col.   Trick   Col.	FIG. 6J. Allelic Association for Bipolar Disorder												
0.171266 0.861528 90 0.277778 689 0.630624 0.624519 1.87102 1 0.0685308 0.2860816 1.25447 90 0.2 689 0.168130 0.099856 0.0924262 0.806607 1 -14 DGRS5308 0.391559 1.31527 90 0.0722222 689 0.0558781 0.057764 0.734097 1 -1 DGRS5308 0.7175184 0.418852 90 0.0111111 689 0.0268786 0.0924262 0.806607 1 -14 DGRS5308 0.7175184 0.418852 90 0.0181141 689 0.0261248 0.0243002 1.83827 1 -6 DGRS5308 0.859889 0.832488 99 0.05055051 660 0.00806001 0.0059288 0.018130 1 -2 DGRS5308 0.859889 0.9340146 0.422097 90 0.00555551 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.036061 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.036061 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.035001 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.035001 660 0.00806001 0.00592885 0.03181539 8 DGRS5318 0.0318041 0.757071 1 0.00805319 0.0357005 1.14554 99 0.464646 660 0.431661 0.43541 0.757071 1 1 DGRS5318 0.86732 0.046707 99 0.116162 660 0.112121 0.11264 0.02707053 1 1 DGRS5308 0.16153 2.638-12 9 0.003003 660 0.0189304 0.0204216 0.99114 1 DGRS5318 0.16153 2.638-12 9 0.0288452 606 0.038303 0.0061613 1 DGRS5318 0.75701 1 DGRS5318 0.046055 0.05701 1 DGRS5318 0.058501 1 DGRS5318 0								5					
0.171266 0.861528 90 0.277778 689 0.630624 0.624519 1.87102 1 0.0685308 0.2860816 1.25447 90 0.2 689 0.168130 0.099856 0.0924262 0.806607 1 -14 DGRS5308 0.391559 1.31527 90 0.0722222 689 0.0558781 0.057764 0.734097 1 -1 DGRS5308 0.7175184 0.418852 90 0.0111111 689 0.0268786 0.0924262 0.806607 1 -14 DGRS5308 0.7175184 0.418852 90 0.0181141 689 0.0261248 0.0243002 1.83827 1 -6 DGRS5308 0.859889 0.832488 99 0.05055051 660 0.00806001 0.0059288 0.018130 1 -2 DGRS5308 0.859889 0.9340146 0.422097 90 0.00555551 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.036061 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.036061 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.035001 660 0.00806001 0.00592885 0.03181539 8 DGRS5308 0.035001 660 0.00806001 0.00592885 0.03181539 8 DGRS5318 0.0318041 0.757071 1 0.00805319 0.0357005 1.14554 99 0.464646 660 0.431661 0.43541 0.757071 1 1 DGRS5318 0.86732 0.046707 99 0.116162 660 0.112121 0.11264 0.02707053 1 1 DGRS5308 0.16153 2.638-12 9 0.003003 660 0.0189304 0.0204216 0.99114 1 DGRS5318 0.16153 2.638-12 9 0.0288452 606 0.038303 0.0061613 1 DGRS5318 0.75701 1 DGRS5318 0.046055 0.05701 1 DGRS5318 0.058501 1 DGRS5318 0		val		Ħ	<b></b>	5	î.f	. ₽			<u>_0</u>		ķ
0.285085 1.26437 90 0.2 689 0.686183 0.7099 1.242 1 0 DGRSS306 0.386125 1.26431 90 0.111111 689 0.0898855 0.0924262 0.806607 1 -14 DGRSS306 0.391559 1.31527 90 0.0722222 689 0.0565871 0.0577684 0.734097 1 - DGRSS306 0.7176154 0.418652 90 0.0712111 689 0.0265871 0.0577694 0.734097 1 - DGRSS306 0.7176154 0.418652 90 0.0111111 689 0.0261248 0.0249002 1.83827 6 DGRSS306 0.859889 0.005055554 689 0.0130248 0.0249002 1.83827 6 DGRSS306 0.859889 0.005055554 689 0.0130624 0.0121961 0.909881 1 - 2 DGRSS306 0.859889 0.0350815 99 0.03508051 660 0.03608061 0.05052885 0.0311639 8 DGRSS316 0.859889 0.0350801 660 0.03608061 0.05052885 0.0311639 8 DGRSS316 0.859889 0.0450815 99 0.0350801 660 0.03608061 0.05052885 0.0311639 8 DGRSS316 0.0376075 1.14554 9 0.464644 660 0.431661 0.435414 0.787011 1 0 DGRSS316 0.129566 0.664218 99 0.0757576 660 0.109846 0.105402 2.2977 1 12 DGRSS316 0.129566 0.664218 99 0.030303 660 0.108934 0.106402 2.2977 1 12 DGRSS316 0.16155 2.538-12 9 0.030303 660 0.0189394 0.0204216 0.99114 1 16 DGRSS316 0.16155 2.538-12 9 1.406-14 660 0.01530303 0.0064133 1.85163 1 DGRSS316 0.665174 0.786479 0.058831 0.068535 0.127601 1 2 DGRSS316 0.665174 0.068535 0.127601 1 2 DGRSS316 0.665174 0.068535 0.127601 1 2 DGRSS316 0.0567143 0.16462 1 DGRSS316 0.0567143 0.16462 0.068536 0.0567143 0.16462 1 DGRSS316 0.0567143 0.16462 1 DGRSS32 0.0468678 606 0.121227 0.115602 6.17441 4 DGRSS32 0.048678 606 0.058308 0.0567143 0.16462 1 DGRSS32 0.048678 606 0.058308 0.0567143 0.16462 1 DGRSS32 0.048678 606 0.058308 0.059743 0.046482 1 DGRSS32 0.048678 606 0.024267 0.024678 0.024678 1 DGRSS32 0.048678 606 0.058308 0.059743 0.046482 1 DGRSS32 0.048678 606 0.024267 0.024674 0.02468 0.068535 0.024678 0.0			<u> </u>	#2	aff	<b>*</b>	00	' 로	2	nfo	≝		퍨
0.3916926 1.28411 90 0.111111 889 0.089885 0.0224262 0.806607 1.4 D685308 0.391659 1.31827 90 0.0722222 889 0.05858781 0.0577664 0.734097 1 4 D685308 0.7176164 0.41852 90 0.0222222 889 0.05858781 0.0577664 0.734097 1 4 D685308 0.7176164 0.422097 90 0.00555554 889 0.0191422 0.024392 1.85827 1 6 D685308 0.459886 0.32488 99 0.005655554 890 0.0191824 0.024392 1.85827 1 6 D685308 0.859886 0.32488 99 0.005655554 890 0.0191824 0.024392 1.85827 1 6 D685308 0.859886 0.32488 99 0.005655551 890 0.0300061 890 0.0						689	0.630624	0.624519				DG8S308	ـ = ـ
0.791695													
0.7710467										_			
0.176154 0.41882 90 0.0111111 889 0.0261248 0.0240149 0.422067 0.00555584 889 0.01018024 0.0121851 0.059388 1.83248 99 0.05055051 689 0.00505051 690 0.0055251 690 0.0059285 0.0311539 1 8 DG8S308 0.832488 99 0.0555051 690 0.058061 0.059285 0.0311539 1 8 DG8S316 0.25950 0.45928 0 0.45464 680 0.451061 0.4554 0 0.45464 0.655732 1.4554 99 0.46464 680 0.451061 0.4554 0 0.45560 0.65812 0 0.45464 0.65613 0 0.45656 0 0.451061 0.4554 0 0.45653 0 0.45650 0 0.45664 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0.451061 0 0.45560 0 0													
0.460146 0.422097 90 0.00555554 688 0.0130624 0.0121851 0.690881 1 - 2 DG85308 0.655988 0.832488 99 0.00550561 690 0.0050616 0.0559285 0.0311539 1 6 DG85318 0.035061 690 0.316667 0.315547 0.0589821 1 10 DG85318 0.32568													
0.68919  0.969615  0.969615  0.969616  0.00592885  0.0311639  1 8 DG85316  0.375005  0.375005  0.46464  0.990616  0.0316667  0.315647  0.0589821  0.0589316  0.045464  0.787011  1 0 DG85316  0.864218  0.0259316  0.045441  0.787011  1 0 DG85316  0.02593						689				-			
0.3756005								0.00592885	0.0311539				
0.129566 0.664218 99 0.0757576 650 0.109848 0.105402 2.2977 1 12 DG8S316 0.867321 1.04077 9 0.116142 660 0.112121 0.112648 0.0279053 1 14 DG8S316 0.16135 2.63E-12 99 1.07685 50 0.030303 660 0.112121 0.112648 0.0279053 1 14 DG8S316 0.16135 2.63E-12 99 1.07686 52 0.423077 606 0.0053033 0.0046113 1.86153 1 2 DG8S316 0.720932 1.07686 52 0.423077 606 0.0363039 0.0046113 1.86153 1 2 DG8S316 0.268307 0.268479 52 0.423077 606 0.336987 0.3763743 0.164362 1 10 DG8S322 0.268308 1.25949 52 0.423077 606 0.336987 0.3753743 0.164362 1 10 DG8S322 0.773073 1.11905 2 0.0769231 606 0.0369089 0.0357143 0.164362 1 10 DG8S322 0.773073 1.11905 2 0.0769231 606 0.0276521 0.0725 0.073073 0.044708 100 0.715 700 0.726429 0.0725 0.113921 1 0 DG8S323 0.0735732 0.944708 100 0.275 700 0.726429 0.0275 0.113921 1 0 DG8S323 0.29368 1.58657 97 0.036025 695 0.273571 0.275 0.113921 1 0 DG8S323 0.29368 1.58657 97 0.036025 695 0.273571 0.275 0.113921 1 0 DG8S324 0.466028 0.865511 97 0.175258 695 0.227642 0.299874 0.221485 1 0.068324 0.466028 0.865511 97 0.175258 695 0.220835 0.220328 0.0188804 1 8 DG8S324 0.466028 0.865511 97 0.175258 695 0.19122 0.194444 0.531379 1 2 DG8S324 0.29345 1.1524 97 0.0397732 695 0.0216827 0.022096 0.132395 1 0 DG8S324 0.202028 0.954141 0.075894 1 93 0.0075773 695 0.0216827 0.022096 0.132395 1 2 DG8S324 0.202028 0.954149 1 93 0.056925 766 0.0216827 0.220685 0.95407 1 4 DG8S324 0.206955 0.79106 93 0.206777 766 0.13267 766 0.365832 0.29381 0.0559242 1.41867 93 0.305778 766 0.256887 0.226857 0.236867 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										1			
0.887332										-			
0.319464 1,61875 99 0.030303 680 0.0189394 0.0204216 0.99114 1 16 DG8S316 0.172032 1.07685 52 0.423077 606 0.405116 0.406535 0.127601 1 2 DG8S316 0.72032 1.07685 52 0.423077 606 0.405116 0.406535 0.127601 1 2 DG8S312 0.6881772 0.788479 52 0.423077 606 0.0383036 0.0357143 0.164362 1 10 DG8S322 0.268308 1.25949 52 0.423077 606 0.0383036 0.0357143 0.164362 1 10 DG8S322 0.773078 1.11905 52 0.0769231 606 0.0583030 0.0357143 1.22537 1 0 DG8S322 0.773078 1.11905 52 0.0769231 606 0.0693098 0.08931461 1 4 DG8S322 0.735723 0.944798 100 0.715 700 0.728429 0.725 0.113921 1 0 DG8S322 0.63791 1.08125 97 0.314433 695 0.297842 0.298874 1.22537 1 0.0568324 0.890423 0.974756 97 0.214433 695 0.227842 0.298874 1.28537 0.221466 1 0 DG8S324 0.890423 0.974756 97 0.214645 695 0.0230216 0.0246212 1.08138 1 10 DG8S324 0.486028 0.865511 97 0.175258 695 0.197122 0.194444 0.531379 1 2 DG8S324 0.259445 1.15254 97 0.139175 695 0.196120 0.1255 1.1993 97 0.0257732 695 0.0216827 0.022086 0.132925 1 12 DG8S324 0.221494 0.785941 93 0.107627 726 0.136267 0.024696 0.132395 1 12 DG8S324 0.220885 0.790106 93 0.086978 726 0.0256887 0.22086 0.323924 1 4 DG8S322 0.231194 0.785941 93 0.107627 726 0.132022 0.125 0.395457 1 4 DG8S324 0.221494 0.785941 93 0.056787 726 0.256887 0.22568 0.250321 0.239204 1 4 DG8S332 0.05659242 0.456498 93 0.0376344 726 0.025319 0.032670 1.30267 1 1.08283 93 0.0325217 726 0.256887 0.22368 0.0239204 1 4 DG8S332 0.05659242 0.696624 87 0.224138 539 0.032561 0.03267 0.13305 1 1 DG8S333 0.05659242 0.696624 87 0.224138 539 0.032656 0.79106 93 0.206678 726 0.256587 0.02366 0.880209 93 0.21504 726 0.035379 0.03366 0.380209 93 0.21504 726 0.035379 0.03366 0.380209 93 0.21504 726 0.035381 0.03366 0.380209 93 0.21504 726 0.035888 0.033673 0.059242 0.45689 90 0.03688 90 0.03688 90 0.036889 90 0.47698 90 0.48689 90 0.47698 90 0.356857 0.044828 90 0.303769 0.336739 0.056851 1 1.18050 10 0.03688 90 0.03688 90 0.036804 99 0.47698 90 0.556570 0.445860 0.44567 0.44587 0.44587 0.256810 0.036881 0.036881 0.036881 0.036881 0.036881 0.036881 0.0368													
0.16135		0.319464	1.61875	99						-			
0.720932													
0.288308   1.28949   52   0.0428077   606   0.387987   0.357743   0.164362   1 0 D.G6S322											2	DG8S322	
0.0129756   0.365904   52										1	10	DG8S322	
0.773078													
0.735723													
0.735723         1.05843         100         0.285         700         0.273571         0.275         0.113921         1         5         DG85323           0.63791         1.08125         97         0.3360825         695         0.0230216         0.0246212         0.21486         1         0         DG85324           0.890423         0.974756         97         0.216495         695         0.0230216         0.0246212         0.18188         1         1         0.058324           0.466028         0.865511         97         0.216495         695         0.12912         0.194444         0.531379         1         2 DG85324           0.316602         0.775253         97         0.0227836         695         0.197122         0.14444         0.531379         1         2 DG85324           0.715962         1.1993         97         0.0257732         695         0.0216827         0.022096         0.132395         1         1         2 DG85324           0.321194         0.787088         0.954194         93         0.016727         726         0.13202         0.132395         1         2 DG85332           0.26985         0.790105         93         0.216967         726         0.25688													
0.63791         1.08125         97         0.314433         695         0.297842         0.29874         0.221486         1         0 DG8S324           0.289388         1.58857         97         0.360825         695         0.0230216         0.0246212         1.08138         1         0 DG8S324           0.890423         0.974756         97         0.216495         695         0.197122         0.194444         0.531379         1         2 DG8S324           0.486028         0.865511         97         0.175288         695         0.16547         0.113638         1.00293         1         6 DG8S324           0.529445         1.15254         97         0.139175         695         0.123022         0.125         0.395457         1         DG8S324           0.715962         1.1693         97         0.0257732         695         0.016807         0.022096         0.132395         1         1         DG8S324           0.321194         0.785941         93         0.107527         726         0.13292         0.130037         0.984077         1         4         DG8S332           0.0458925         1.41167         93         0.029678         726         0.256887         0.264957         <		0.735723											
0.8940423         0.9747556         97         0.0350625         695         0.0230216         0.0246212         1.08138         1         10 DG85324           0.466028         0.865511         97         0.175258         695         0.197122         0.19444         0.531379         1         2 DG85324           0.316602         0.775253         97         0.0327836         695         0.116547         0.113638         1.00293         1         6 DG85324           0.529445         1.15254         97         0.139175         695         0.12022         0.125         0.395457         1         4 DG85324           0.715962         1.1993         97         0.0257732         695         0.0215827         0.022096         0.1323255         1         4 DG85324           0.321194         0.785941         93         0.069825         726         0.130037         0.940077         1         4 DG85332           0.0425925         1.41167         93         0.229677         726         0.256887         0.224662         1.5926         1         2 DG85332           0.530600         0.889209         93         0.215054         726         0.235697         0.234697         4.1115         1         0 D					0.314433								
0.890423         0.974756         97         0.216495         695         0.220863         0.220328         0.0189804         1         8 DG85324           0.486022         0.775253         97         0.0927836         695         0.118547         0.1194444         0.531379         1         2 DG85324           0.529445         1.15254         97         0.0297736         695         0.123022         0.125         0.395457         1         4 DG85324           0.715962         1.1993         97         0.0257732         695         0.123022         0.125         0.395457         1         4 DG85324           0.877088         0.954194         93         0.107627         726         0.13292         0.130037         0.984077         1         4 DG85332           0.208078         0.795105         93         0.029678         726         0.251377         0.246842         1.5926         1         2 DG85332           0.425925         1.41167         93         0.237557         726         0.235537         0.2332211         0.398532         1         2 DG85332           0.710218         1.16902         93         0.0376344         726         0.235537         0.233211         0.3983231 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>695</td><td>0.0230216</td><td></td><td></td><td></td><td>_</td><td></td><td></td></t<>						695	0.0230216				_		
0.316602 0.775253 97 0.0927836 695 0.118547 0.113634 1.00293 1 6 DG8S324 0.529445 1.16254 97 0.139175 695 0.123022 0.125 0.395457 1 4 DG8S324 0.759562 1.1993 97 0.0257732 695 0.0215827 0.022096 0.132395 1 12 DG8S324 0.321194 0.785941 93 0.107527 726 0.13292 0.130037 0.984077 1 4 DG8S332 0.208695 0.790105 93 0.208678 726 0.251377 0.246642 0.0329204 1 4 DG8S332 0.208695 0.790105 93 0.208678 726 0.251377 0.246642 1.5926 1 2 DG8S332 0.508595 0.790105 93 0.208678 726 0.251377 0.246642 1.5926 1 2 DG8S332 0.508059 0.99101 1.6902 93 0.215054 726 0.256587 0.233211 0.393231 1 -2 DG8S332 0.710218 1.16902 93 0.032581 726 0.0323691 0.032967 0.13806 1 6 DG8S332 0.217107 1.8282 93 0.0322581 726 0.0179063 0.019530 1.52339 1 -5 DG8S332 0.0559242 0.696624 87 0.224138 539 0.293135 0.283548 3.65431 1 -5 DG8S333 0.0559242 1.43549 87 0.775862 539 0.705865 0.716454 3.65431 1 0 DG8S333 0.00198166 0.188537 8 0.25 173 0.638728 0.621547 9.55645 1 1 INVSNP 0.131157 0.790449 99 0.358586 764 0.414267 0.407879 2.27876 1 1 SG08S100 0.131157 1.2651 99 0.5461414 764 0.585733 0.59212 1.227876 1 1 SG08S100 0.10167769 0.677563 97 0.366598 387 0.481912 0.46281 5.71957 1 1 SG08S100 0.437006 0.878672 100 0.64 390 0.699231 0.663265 0.738152 1.71538 1 0.59085112 0.377735 0.874384 99 0.520020 700 0.553571 0.638728 0.604132 1 2 SG08S1102 0.377735 0.874384 99 0.520020 700 0.553571 0.638435 0.778059 1 2 SG08S1102 0.377735 0.874384 99 0.520020 700 0.553571 0.549437 0.778059 1 2 SG08S1102 0.377735 0.874384 99 0.520020 700 0.553571 0.549437 0.778059 1 2 SG08S138 0.0144357 0.800952 99 0.510101 713 0.565217 0.558498 1.0803 1 SG08S139 0.0144357 0.800952 99 0.510101 713 0.565217 0.558498 1.08003 1 SG08S139 0.0144357 0.800952 99 0.510101 713 0.565217 0.558498 0.451650 1.9979 1 0 SG08S150 0.1444357 0.800952 99 0.510101 713 0.565217 0.558498 0.451650 1.9979 1 0 SG08S150 0.1444357 0.800952 99 0.510101 713 0.565217 0.558498 0.451650 1.9979 1 0 SG08S150 0.144357 0.800952 99 0.510101 713 0.565217 0.558498 0.451650 1.9979 1 0 SG08S150 0.144357 0.800952 99 0.510101 713 0.								0.220328		-			
0.529445         1.16254         97         0.139175         695         0.123022         0.125         0.395457         1         4 DG88324           0.715962         1.1993         97         0.0257732         695         0.0216827         0.022096         0.132395         1         1         DG88324           0.321194         0.785941         93         0.0698925         726         0.073028         0.0726849         0.0239204         1         4         DG88332           0.208955         0.790106         93         0.209678         726         0.251377         0.246642         1.5926         1         2         DG88332           0.0425925         1.41167         93         0.327957         726         0.256887         0.264957         4.1115         1         DG88332           0.710218         1.16902         93         0.215054         726         0.235537         0.232967         0.13806         1         6         DG88332           0.0559242         0.696624         87         0.0224138         539         0.293135         0.283546         3.65431         1         5         DG88333           0.0559242         1.43549         87         0.275862         539							0.197122				2	DG8S324	
0.715962										-			
0.321194         0.785941         93         0.107527         726         0.13292         0.130037         0.984077         1         4         DG885322           0.877088         0.954194         93         0.0698925         726         0.0730028         0.0726496         0.0239204         1         4         DG88332           0.206955         0.790105         93         0.20678         726         0.251377         0.246645         1.5926         1         2 DG88332           0.530606         0.889209         93         0.215054         726         0.235537         0.233211         0.393231         1         2 DG88332           0.710218         1.16902         93         0.0376344         726         0.0323691         0.032967         0.13806         1         6 DG88332           0.0559242         0.696624         87         0.224138         539         0.708865         0.716454         3.65431         1         5 DG88333           0.0559242         0.866857         8         0.25         173         0.638728         0.621547         3.65431         1         5 DG88333           0.0198166         5.304         8         0.75         173         0.638728         0.62154										-			
0.877088 0.954194 93 0.0698925 726 0.0730028 0.0726496 0.0239204 1 4 DG8S332 0.206955 0.790105 93 0.209678 726 0.256387 0.246642 1.5926 1 2 DG8S332 0.425925 1.41167 93 0.327957 726 0.256887 0.264957 4.1115 1 0 DG8S332 0.530606 0.889209 93 0.215054 726 0.256587 0.233211 0.393231 1 -2 DG8S332 0.710218 1.16902 93 0.0376344 726 0.0323691 0.032967 0.13806 1 6 DG8S332 0.217107 1.8282 93 0.0322581 726 0.0179063 0.019530 1.52339 1 -6 DG8S332 0.0559242 0.696624 87 0.224138 539 0.293135 0.283546 3.65431 1 -5 DG8S333 0.0559242 1.43549 87 0.775862 539 0.706865 0.716454 3.65431 1 0 DG8S333 0.00198166 0.188537 8 0.25 173 0.638728 0.621547 9.56645 1 1 INVSNP 0.131157 0.790449 99 0.358586 764 0.414267 0.407879 2.27876 1 SG08S100 0.167769 0.877563 97 0.386598 387 0.481912 0.46281 5.71957 1 SG08S100 0.0167769 0.877563 97 0.386598 387 0.481912 0.46281 5.71957 1 SG08S100 0.437006 0.878672 100 0.64 390 0.669231 0.663265 0.604132 1 0 SG08S102 0.437006 0.878672 100 0.64 390 0.669231 0.663265 0.604132 1 0 SG08S102 0.437006 0.878672 100 0.64 390 0.330769 0.330769 0.330769 1.14369 99 0.479786 70 0.553571 0.549437 0.778059 1 2 SG08S102 0.437706 0.878672 100 0.64 390 0.669231 0.663265 0.604132 1 0 SG08S102 0.437006 0.878672 100 0.64 390 0.553571 0.549437 0.778059 1 2 SG08S102 0.437006 0.878672 100 0.64 390 0.553571 0.549437 0.778059 1 2 SG08S102 0.377735 0.874364 99 0.520202 700 0.553571 0.549437 0.778059 1 2 SG08S102 0.377735 0.874364 99 0.520202 700 0.553571 0.549437 0.778059 1 2 SG08S120 0.190291 0.801929 98 0.69898 746 0.743298 0.738152 1.71536 1 0 SG08S138 0.0149864 0.471507 59 0.720339 391 0.845269 0.82889 10.0803 1 SG08S138 0.0144357 0.800952 99 0.510101 713 0.565217 0.554989 1.00003 1 SG08S138 0.0144357 0.800952 99 0.50005 701 0.451498 0.45165 1.9979 1 0 SG08S15 0.144357 1.24851 99 0.489899 713 0.434584 0.457746 2.2461 1 SG08S27 0.144357 1.24851 99 0.489899 713 0.434584 0.457746 2.2461 1 2 SG08S27 0.144456 0.783458 100 0.045844 0.457746 2.2461 1 1 SG08S27 0.144456 0.783458 100 0.045844 0.457746 2.2461 1 1 SG08S27 0.144466 0.783458		0.321194	0.785941										
0.2069525         1.41167         93         0.208678         726         0.251377         0.246642         1.5926         1         2 DG8S332           0.0425925         1.41167         93         0.327957         726         0.256887         0.264967         4.1115         1         0 DG8S332           0.530608         0.889209         93         0.215054         726         0.235537         0.233211         0.393231         1         2 DG8S332           0.710218         1.16902         93         0.0376344         726         0.0323691         0.032967         0.13806         1         6 DG8S332           0.217107         1.6282         93         0.0322581         726         0.0179063         0.019538         1.52339         1         6 DG8S332           0.0559242         1.696624         87         0.275862         539         0.293135         0.283546         3.65431         1         5 DG8S333           0.00198166         0.188537         8         0.25         173         0.638728         0.621547         9.56645         1         1 INVSNP           0.131157         0.790449         99         0.358586         764         0.414267         0.407879         2.27876         1 </td <td></td> <td></td> <td></td> <td></td> <td>0.0698925</td> <td>726</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					0.0698925	726							
0.0425950         1.41167         93         0.327957         726         0.256887         0.224957         4.1115         1         0 DG8S332           0.530606         0.889209         93         0.215054         726         0.235537         0.233211         0.393231         1         2 DG8S3332           0.710218         1.16902         93         0.0376344         726         0.0323691         0.032967         0.13806         1         6 DG8S332           0.217107         1.8282         93         0.0322581         726         0.0179063         0.019536         1.52339         1         6 DG8S332           0.0559242         0.696624         87         0.224138         639         0.293135         0.283546         3.65431         1         5 DG8S333           0.0559242         1.43549         87         0.775682         539         0.706865         0.716454         3.65431         1         5 DG8S333           0.00198166         0.13806         8         0.75         173         0.361272         0.378453         9.56645         1         1 INVSNP           0.131157         1.2651         99         0.641417         764         0.414267         0.407879         2.27876         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.246642</td> <td></td> <td></td> <td></td> <td></td> <td></td>								0.246642					
0.710218         1.16902         93         0.0376344         726         0.0323691         0.032967         0.13806         1         6 DG8S332           0.217107         1.8282         93         0.0322581         726         0.0179063         0.019536         1.52339         1         6 DG8S332           0.0559242         0.696624         87         0.224138         539         0.706865         0.716454         3.65431         1         5 DG8S333           0.00198166         0.188537         8         0.25         173         0.638728         0.621547         9.56645         1         1NVSNP           0.0198166         5.304         8         0.75         173         0.361272         0.378453         9.56645         1         1NVSNP           0.131157         0.790449         99         0.358586         764         0.414267         0.407879         2.27876         1         1         SG08S100           0.131157         1.2651         99         0.641414         764         0.585733         0.592121         2.27876         1         1         SG08S100           0.1367769         1.47588         97         0.613402         387         0.51808         0.53719         5.71957									4.1115	1			
0.217107         1.8282         93         0.0322581         726         0.0179063         0.019538         1.52339         1 -6 DG8S332           0.0559242         1.43549         87         0.224138         539         0.293135         0.283546         3.65431         1 -5 DG8S333           0.00198166         0.188537         8         0.25         173         0.638728         0.621547         9.56645         1 INVSNP           0.00198166         5.304         8         0.75         173         0.361272         0.378453         9.56645         1 INVSNP           0.131157         0.790449         99         0.358586         764         0.414267         0.407879         2.27876         1 SG08S100           0.131157         1.2651         99         0.641414         764         0.585733         0.592121         2.27876         1 SG08S100           0.0167769         0.677563         97         0.386598         387         0.481912         0.46281         5.71957         1 SG08S102           0.437006         0.878672         100         0.64         390         0.669231         0.663265         0.604132         1 SG08S112           0.377735         0.874364         99         0.520202										-			
0.0559242         0.696624         87         0.224138         539         0.293135         0.283546         3.65431         1         5 DG8S333           0.0559242         1.43549         87         0.775862         539         0.706865         0.716454         3.65431         1         5 DG8S333           0.00198166         5.304         8         0.25         173         0.638728         0.621547         9.56645         1         1 INVSNP           0.0198166         5.304         8         0.75         173         0.361272         0.378453         9.56645         1         1 INVSNP           0.131157         0.790449         99         0.358586         764         0.414267         0.407879         2.27876         1         1 SG08S100           0.131157         1.2651         99         0.641414         764         0.585733         0.592121         2.27876         1         1 SG08S100           0.0167769         1.47588         97         0.386598         387         0.481912         0.46281         5.71957         1         2 SG08S102           0.437006         1.73808         100         0.64         390         0.669231         0.663265         0.604132         1 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
0.0559242         1.43549         87         0.775862         539         0.706865         0.716454         3.65431         1         0 DG8S333           0.00198166         0.188537         8         0.25         173         0.638728         0.621547         9.56645         1         1 INVSNP           0.00198166         5.304         8         0.75         173         0.361272         0.378453         9.56645         1         2 INVSNP           0.131157         1.2651         99         0.641414         764         0.585733         0.592121         2.27876         1         2 SG08S100           0.0167769         0.677563         97         0.386598         387         0.481912         0.46281         5.71957         1         2 SG08S102           0.0167769         1.47588         97         0.613402         387         0.518088         0.53719         5.71957         1         2 SG08S102           0.437006         0.878672         100         0.64         390         0.669231         0.663265         0.604132         1         0 SG08S112           0.377735         0.874364         99         0.520202         700         0.553571         0.549437         0.778059         1													
0.00198166         0.188537         8         0.25         173         0.638728         0.621547         9.56645         1         1 INVSNP           0.00198166         5.304         8         0.75         173         0.361272         0.378453         9.56645         1         2 INVSNP           0.131157         0.790449         99         0.358586         764         0.414267         0.407879         2.27876         1         1 SG08S100           0.131157         1.2651         99         0.641414         764         0.585733         0.592121         2.27876         1         2 SG08S100           0.0167769         0.677563         97         0.386598         387         0.481912         0.46281         5.71957         1         2 SG08S102           0.437006         0.878672         100         0.64         390         0.669231         0.663265         0.604132         1         0 SG08S112           0.377735         0.874364         99         0.522022         700         0.553571         0.549437         0.778059         1         0 SG08S120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1			1.43549	87	-					-			
0.00198166         5,304         8         0.75         173         0.361272         0.378453         9.56645         1         2 INVSNP           0.131157         0.790449         99         0.358586         764         0.414267         0.407879         2.27876         1         1 SG08S100           0.131157         1.2651         99         0.641414         764         0.585733         0.592121         2.27876         1         2 SG08S100           0.0167769         0.8777563         97         0.386598         387         0.481912         0.46281         5.71957         1         1 SG08S102           0.437006         0.878672         100         0.64         390         0.518088         0.53719         5.71957         1         2 SG08S102           0.437006         1.13808         100         0.36         390         0.330769         0.336735         0.604132         1         2 SG08S112           0.377735         0.874364         99         0.520202         700         0.553571         0.549437         0.778059         1         0 SG08S120           0.190291         0.801929         8         0.69898         746         0.743298         0.738152         1.71536         1						173	0.638728						
0.131157         1.2651         99         0.641414         764         0.585733         0.592121         2.27876         1         2 SG08S100           0.0167769         0.677563         97         0.386598         387         0.481912         0.46281         5.71957         1         1 SG08S102           0.0167769         1.47588         97         0.613402         387         0.518088         0.53719         5.71957         1         2 SG08S102           0.437006         0.876672         100         0.64         390         0.669231         0.663265         0.604132         1         0 SG08S112           0.437006         1.13808         100         0.36         390         0.330769         0.336735         0.604132         1         0 SG08S112           0.377735         0.874364         99         0.520202         700         0.55371         0.549437         0.778059         1         0 SG08S120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1         0 SG08S138           0.190291         1.24699         98         0.30102         746         0.256702         0.261848         1.71536         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.378453</td> <td></td> <td>-</td> <td></td> <td></td> <td></td>								0.378453		-			
0.0167769         0.677563         97         0.386598         387         0.481912         0.48281         5.71957         1         1 SG08S100           0.0167769         1.47588         97         0.613402         387         0.518088         0.53719         5.71957         1         2 SG08S102           0.437006         0.878672         100         0.64         390         0.669231         0.663265         0.604132         1         0 SG08S112           0.437006         1.13808         100         0.36         390         0.330769         0.336735         0.604132         1         2 SG08S112           0.377735         0.874364         99         0.520202         700         0.553571         0.549437         0.778059         1         0 SG08S120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1         0 SG08S138           0.190291         1.24699         98         0.30102         746         0.256702         0.261848         1.71536         1         2 SG08S138           0.00149864         0.471507         59         0.720339         391         0.452699         0.828889         10.0803 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>1 :</td><td>SG08S100</td><td></td></td<>										1	1 :	SG08S100	
0.0167769         1.47588         97         0.613402         387         0.518088         0.53719         5.71957         1         2 \$G08\$102           0.437006         0.878672         100         0.64         390         0.669231         0.663265         0.604132         1         0 \$G08\$112           0.437006         1.13808         100         0.38         390         0.330769         0.336735         0.604132         1         2 \$G08\$112           0.377735         0.874364         99         0.520202         700         0.553571         0.549437         0.778059         1         0 \$G08\$120           0.377735         1.14369         99         0.479798         700         0.446429         0.450563         0.778059         1         0 \$G08\$120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1         0 \$G08\$138           0.0149864         0.471507         59         0.720339         391         0.845269         0.828889         10.0803         1         1 \$G08\$139           0.0149864         0.471507         59         0.729681         391         0.154731         0.171111         10.0803         <													
0.437006         0.878672         100         0.64         390         0.669231         0.663265         0.604132         1         0 SG08S1102           0.437006         1.13808         100         0.36         390         0.330769         0.336735         0.604132         1         2 SG08S112           0.377735         0.874364         99         0.520202         700         0.553571         0.549437         0.778059         1         0 SG08S120           0.377735         1.14369         99         0.479798         700         0.446429         0.450563         0.778059         1         2 SG08S120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1         0 SG08S138           0.00149864         0.471507         59         0.720339         391         0.845269         0.828889         10.0803         1         1 SG08S139           0.00149864         0.471507         59         0.729661         391         0.154731         0.171111         10.0803         1         1 SG08S139           0.144357         0.800952         99         0.510101         713         0.565217         0.558498         2.13089													
0.437006         1.13808         100         0.38         390         0.330769         0.336735         0.604132         1         2 SG08S112           0.377735         0.874364         99         0.520202         700         0.553571         0.549437         0.778059         1         0 SG08S120           0.377735         1.14369         99         0.479798         700         0.446429         0.450563         0.778059         1         2 SG08S120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1         0 SG08S138           0.190291         1.24699         98         0.30102         746         0.256702         0.261848         1.71536         1         0 SG08S138           0.00149864         0.471507         59         0.720339         391         0.845269         0.828889         10.0803         1         1 SG08S139           0.00149864         2.12086         59         0.279661         391         0.154731         0.171111         10.0803         1         1 SG08S139           0.144357         0.800952         99         0.510101         713         0.565217         0.558498         2.13089		0.437006											
0.377735         0.874364         99         0.520202         700         0.553571         0.549437         0.778059         1         0 SG08S120           0.377735         1.14369         99         0.479798         700         0.446429         0.450563         0.778059         1         2 SG08S120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1         0 SG08S138           0.190291         1.24699         98         0.30102         746         0.256702         0.261848         1.71536         1         2 SG08S138           0.00149864         0.471507         59         0.720339         391         0.845269         0.828889         10.0803         1         1 SG08S139           0.00149864         2.12086         59         0.279681         391         0.154731         0.171111         10.0803         1         1 SG08S139           0.144357         0.800952         99         0.510101         713         0.565217         0.558498         2.13089         1         0 SG08S15           0.157518         1.23964         99         0.439494         701         0.451498         0.458125         1.9979			_	100									
0.377735         1.14369         99         0.479798         700         0.446429         0.450563         0.778059         1         2 SG08S120           0.190291         0.801929         98         0.69898         746         0.743298         0.738152         1.71536         1         0 SG08S138           0.190291         1.24699         98         0.30102         746         0.256702         0.261848         1.71536         1         2 SG08S138           0.00149864         0.471507         59         0.720339         391         0.845269         0.828889         10.0803         1         1 SG08S139           0.00149864         2.12086         59         0.279681         391         0.154731         0.171111         10.0803         1         0.5G08S139           0.144357         0.800952         99         0.510101         713         0.565217         0.558498         2.13089         1         0 SG08S15           0.144357         1.24851         99         0.489899         713         0.434783         0.4441502         2.13089         1         2 SG08S15           0.157518         1.23964         99         0.50505         701         0.451498         0.458125         1.9979 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0.553571</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							0.553571						
0.190291         1.24699         98         0.30102         746         0.256702         0.261848         1.71536         1         2 SG08S138           0.00149864         0.471507         59         0.720339         391         0.845269         0.828889         10.0803         1         1 SG08S139           0.00149864         2.12086         59         0.279681         391         0.154731         0.171111         10.0803         1         0 SG08S139           0.144357         0.800952         99         0.510101         713         0.565217         0.558498         2.13089         1         0 SG08S15           0.157518         1.23964         99         0.498899         713         0.434783         0.441502         2.13089         1         2 SG08S15           0.157518         0.806684         99         0.494949         701         0.548502         0.541875         1.9979         1         2 SG08S26           0.133952         1.26805         100         0.505         397         0.445844         0.457746         2.2461         1         2 SG08S27           0.14165         0.787135         0.7         0.7         0.745456         0.54254         2.2461         1         1									0.778059				
0.00149864         0.471507         59         0.720339         391         0.845269         0.828889         10.0803         1         1 SG08S138           0.00149864         2.12086         59         0.279681         391         0.154731         0.171111         10.0803         1         0 SG08S139           0.144357         0.800952         99         0.510101         713         0.565217         0.558498         2.13089         1         0 SG08S15           0.144357         1.24851         99         0.489899         713         0.434783         0.441502         2.13089         1         2 SG08S15           0.157518         1.23964         99         0.50505         701         0.451498         0.458125         1.9979         1         0 SG08S26           0.157518         0.806684         99         0.494949         701         0.548502         0.541875         1.9979         1         2 SG08S26           0.133952         0.788614         100         0.495         397         0.445844         0.457746         2.2461         1         2 SG08S27           0.14165         0.787136         0.7         0.76498         397         0.554156         0.542254         2.2461         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>0 8</td> <td>SG08S138</td> <td></td>										1	0 8	SG08S138	
0.00149864         2.12086         59         0.279681         391         0.154731         0.171111         10.0803         1         0.5G085139           0.144357         0.800952         99         0.510101         713         0.565217         0.558498         2.13089         1         0.5G08515           0.144357         1.24851         99         0.489899         713         0.434783         0.441502         2.13089         1         2.5G08515           0.157518         1.23964         99         0.50505         701         0.451498         0.458125         1.9979         1         0.5G08526           0.157518         0.806684         99         0.494949         701         0.548502         0.541875         1.9979         1         2.5G08526           0.133952         0.788614         100         0.495         397         0.445844         0.457746         2.2461         1         2.5G08527           0.14165         0.787135         0.7         0.764458         0.7         0.54254         2.2461         1         1         3G08827										-			
0.144357       0.800952       99       0.510101       713       0.565217       0.558498       2.13089       1       0.5G085139         0.144357       1.24851       99       0.489899       713       0.434783       0.441502       2.13089       1       2 SG08S15         0.157518       1.23964       99       0.50505       701       0.451498       0.458125       1.9979       1       0 SG08S26         0.157518       0.806684       99       0.494949       701       0.548502       0.541875       1.9979       1       2 SG08S26         0.133952       1.26805       100       0.505       397       0.445844       0.457746       2.2461       1       2 SG08S27         0.14165       0.787135       0.7										-			
0.144357     1.24851     99     0.489899     713     0.434783     0.441502     2.13089     1     2 \$G08\$15       0.157518     1.23964     99     0.50505     701     0.451498     0.458125     1.9979     1     0 \$G08\$26       0.157518     0.806684     99     0.494949     701     0.548502     0.541875     1.9979     1     2 \$G08\$26       0.133952     1.26805     100     0.505     397     0.445844     0.457746     2.2461     1     2 \$G08\$27       0.133952     0.788614     100     0.495     397     0.554156     0.542254     2.2461     1     1     3 \$G08\$27       0.14165     0.787135     0.7     0.54156     0.542254     2.2461     1     1     3 \$G08\$27			0.800952							-			
0.157518 1.23964 99 0.50505 701 0.451498 0.458125 1.9979 1 0 SG08S26 0.157518 0.806684 99 0.494949 701 0.548502 0.541875 1.9979 1 2 SG08S26 0.133952 1.26805 100 0.505 397 0.445844 0.457746 2.2461 1 2 SG08S27 0.133952 0.788614 100 0.495 397 0.554156 0.542254 2.2461 1 1 SG08S27 0.141165 0.787135 0.7 0.554156 0.542254 2.2461 1 1 SG08S27										-			
0.157518 0.806684 99 0.494949 701 0.548502 0.541875 1.9979 1 2 SG08S26 0.133952 1.26805 100 0.505 397 0.445844 0.457746 2.2461 1 2 SG08S27 0.133952 0.788614 100 0.495 397 0.554156 0.542254 2.2461 1 1 SG08S27 0.141165 0.787135 0.7 0.554156 0.542254 2.2461 1 1 SG08S27						701	0.451498						
0.133952										- 1			
0.141165 0.787125 07 0.564555 007 0.047047 2.2461 1 1 SG08S27										1			
0.50832 2.16521 1 1 SG08S32													
			,00	٠,	0.001000	301	0.018047	0.0003	2.16521	1	1 8	SG08S32	

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FIG.	6K.	Allelic	<b>Association</b>	for Bi	polar	Disorder
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FIG. BK. A	FIG. 6K. Allelic Association for Bipolar Disorder										
1			aff.freq		con.freq	H0.freq				marker	
7		<del>}_</del>	fre	#con	45	Ę.	•	0	allele	죕	
p-val		#aff	<b>₩</b>	္ဆို	5	유	Ş	info	HE .	일	
0.141165	1.27043	97	0.438144	397	0.380353	0.3917	2.16521	1	0 SG08S32		
0.145676	1.25902	99	0.646465	618	0.592233	0.599721	2.11696	1	1 SG08S35		
0.145676	0.794271	89	0.353535	618	0.407767	0.400279	2.11696	1	2 SG08S35		
0.212203	0.824463	100	0.45	523	0.498088	0.490369	1.55634	1	1 SG08S39		
0.212203	1.21291	100	0.55	523	0.501912	0.509631	1.55634	1	0 SG08S39		
0.648445	1.07374	98	0.403061	689	0.386067	0.388183	0.207867	1	0 SG08S42		
0.648445	0.931322	98	0.596939	689	0.613933	0.611817	0.207867	1	2 SG08S42		
0.305752	1.27727	99	0.126263	610	0.101639	0.105078	1.04894	1	1 SG08S46		
0.305752	0.782919	99	0.873737	610	0.898361	0.894922	1.04894	1	3 SG08S46		
0.0276381	0.711727	96	0.520833	743	0.604307	0.594756	4.8505	1	0 SG08S5		
0.0276381	1.40503	96	0.479167	743	0.395693	0.405244	4.8505	1	2 SG08S5		
0.684951	1.06429	98	0.454082	685	0.438686	0.440613	0.164606	1	2 SG08S50		
0.684951	0.939598	98	0.545918	685	0.561314	0.559387	0.164606	1	0 SG08S50		
0.00650408	0.643485	96	0.4375	381	0.547244	0.525157	7.40506	1	0 SG08S506	3	
0.00650408	1.55404	98	0.5625	381	0.452756	0.474843	7.40506	1	2 SG08S506	3	
0.228808	0.816667	99	0.318182	396	0.363636	0.354545	1.44826	1	2 SG08S507		
0.228808	1.22449	99	0.681818	396	0.636364	0.645455	1.44826	1	3 SG08S507	7	
0.094402	0.759538	96	0.375	392	0.441327	0.428279	2.79766	1	1 SG08S508	3	
0.094402	1.31659	96	0.625	392	0.558673	0.571721	2.79766	1	3 SG08S508		
0.590396	1.11521	96	0.807292	371	0.789757	0.793362	0.289727	1	1 SG08S510	)	
0.590396	0.896691	96	0.192708	371	0.210243	0.206638	0.289727	1	0 SG08S510	)	
0.872061	0.973708	96	0,401042	362	0.407459	0.406114	0.0259341	1	1 SG08S511	1	
0.872061	1.027	96	0.598958	362	0.592541	0.593886	0.0259341	1	3 SG08S511	Ī	
0.781	1.04689	95	0.410527	388	0.399485	0.401656	0.0772928	1	2 SG08S512	2	
0.781	0.955211	95	0.589474	388	0.600515	0.598344	0.0772928	1	1 SG08S512		
0.123314		100	0.41	392	0.470663	0.458333	2.37472	1	1 SG08S517		
0.123314		100	0.59	392	0.529337	0.541667	2.37472	1	3 SG08S517		
0.0911794	1.31381		0.625	397	0.559194	0.572435	2.85343	1	1 SG08S520		
0.0911794	0.761143	100	0.375	397	0.440806	0.427565	2.85343	1	0 SG08S520	)	
0.789675	0.953493	98	0.719388	391	0.7289	0.726994	0.0711465	1	2 SG08S6		
0.789675	1.04877	98	0.280612	391	0.2711	0.273006	0.0711465	1	0 SG08S6		
	0.781948	96	0.442708	380	0.503947	0.491597	2.30483	1	1 SG08S70		
0.128973	1.27886	96	0.557292	380	0.496053	0.508403	2.30483	1	3 SG08S70	•	
0.0117352	1.47013	99	0.60101	740	0.506081	0.517282	6.35045	1	0 SG08S71		
0.0117352		99	0.39899	740	0.493919	0.482718	6.35045	1	2 SG08S71		
0.0424166	0.720449	97	0.43299	378	0.51455	0.497895	4.1185	1	3 SG08S73		
0.0424166	1.38802	97	0.56701	378	0.48545	0.502105	4.1185	1	1 SG08S73		
0.0850867		99	0.409091	394	0.477157	0.463489	2.96496	1	1 SG08S76		
0.0850867	1.31823	99	0.590909	394	0.522843	0.536511	2.96496	1	2 SG08S76		
0.391224	1.1464	99	0.545455	394	0.511421	0.518256	0.735135	1	0 SG08S90		
0.391224		99	0.454545	394	0.488579	0.481744	0.735135	1	1 SG08S90		
0.168061	0.773965	101	0.777228	705	0.81844	0.813275	1.90016	1	1 SG08S93		
0.168061	1.29205		0.222772	705	0.18156	0.186725	1.90016	1	2 SG08S93		
0.159581		91	0.28022	362	0.334254	0.3234	1.97819	1	0 SG08S94		
0.159581	1.28964	91	0.71978	362	0.665746	0.6768	1.97819	1	2 SG08S94		
0.0266379	1.40786	99	0.49495	586	0.41041	0.422628	4.91413	1	2 SG08S95		
0.0266379		99	0.505051	586	0.58959	0.577372	4.91413	1	3 SG08S95		
0.504013			0.605	613	0.579935	0.58345	0.446476	1	2 SG08S96		
0.504013			0.395	613	0.420065	0.41655	0.446476	1	3 SG08S96		
0.892559			0.9	713	0.896914	0.897294	0.0182431	1			
0.892559	0.966742	100	0.1	713	0.103086	0.102706	0.0182431	1	1 SG08S97		

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FIG.	7A.	Results for	r Bipolar	Disorder	without Pani	c Disorder

0.305708 0.977998 0.512664 0.69447 0.316991 0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378667	1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	## 60 60 60 55 55 55 55 55 55 55 55 55 55 55 55 55	0.616667 0.283333 0.0833332 2.58E-13 0.0166666 6.55E-14 0.154546 0.3 0.0454546 0.390909	811 811 811 811 811 811 574 574	0.65783 0.24106 0.0826141 0.00184957 0.0123305 0.00431566 0.102787	0.654994 0.243972 0.0826636 0.00172216 0.0126292	0.825344 1.04913 0.000760585 0.428626	ojui 1 1 1	0	AC022239-5 AC022239-5
0.363622 0.305708 0.97798 0.512664 0.69447 0.316991 0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378667	1.24469 1.0095 1.39E-10 1.35763 1.51E-11 1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	60 60 60 60 60 55 55 55 55	0.616667 0.283333 0.0833332 2.58E-13 0.0166666 6.55E-14 0.154546 0.3	811 811 811 811 811 811 574	0.65783 0.24106 0.0826141 0.00184957 0.0123305 0.00431568	0.654994 0.243972 0.0826636 0.00172216	0.825344 1.04913 0.000760585	1 1	4	AC022239-5
0.363622 0.305708 0.97798 0.512664 0.69447 0.316991 0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378667	1.24469 1.0095 1.39E-10 1.35763 1.51E-11 1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	60 60 60 60 60 55 55 55 55	0.616667 0.283333 0.0833332 2.58E-13 0.0166666 6.55E-14 0.154546 0.3	811 811 811 811 811 811 574	0.65783 0.24106 0.0826141 0.00184957 0.0123305 0.00431568	0.654994 0.243972 0.0826636 0.00172216	1.04913 0.000760585	1 1	4	AC022239-5
0.977998 0.512664 0.69447 0.316991 0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378687	1.0095 1.39E-10 1.35763 1.51E-11 1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	60 60 60 55 55 55 55	0.0833332 2.58E-13 0.016666 6.55E-14 0.154546 0.3 0.0454546	811 811 811 811 574 574	0.0826141 0.00184957 0.0123305 0.00431568	0.0826636 0.00172216	0.000760585	1		AC022230-E
0.512664 0.69447 0.316991 0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378687	1.39E-10 1.35763 1.51E-11 1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	60 60 55 55 55 55	2.58E-13 0.0166666 6.55E-14 0.154546 0.3 0.0454546	811 811 811 574 574	0.00184957 0.0123305 0.00431566	0.00172216			8	
0.69447 0.316991 0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378667	1.35763 1.51E-11 1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	60 60 55 55 55 55	0.0166666 6.55E-14 0.154546 0.3 0.0454546	811 811 574 574	0.0123305 0.00431566		0.428626			AC022239-5
0.316991 0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378687	1.51E-11 1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	60 55 55 55 55 55	6.55E-14 0.154546 0.3 0.0454546	811 574 574	0.00431566	ロ いしつにつロつ	- 4-1	1		AC022239-5
0.111109 0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378687	1.59559 1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	55 55 55 55 55	0.154546 0.3 0.0454546	574 574			0.154289	1		AC022239-5
0.723343 0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378667	1.08063 0.70124 0.805706 1.26692 1.51E-16 0.526588	55 55 55 55	0.3 0.0454546	574	U, IUZIOI	0.00401837 0.107313	1.00132 2.53838	1		AC022239-5 AC068974-2
0.432112 0.287331 0.604326 0.225515 0.335492 0.121956 0.0378667	0.70124 0.805706 1.26692 1.51E-16 0.526588	55 55 55	0.0454546		0.283972	0.285374	0.125312	1		AC068974-2 AC068974-2
0.287331 (0.604326	0.805706 1.26692 1.51E-16 0.526588	55 55		574	0.0635889	0.0620032	0.61714	1		AC068974-2
0.604326 0.225515 0.335492 0.121956 0.0378667	1.26692 1.51E-16 0.526588	55		574	0.44338	0.438792	1.13208	1		AC068974-2
0.335492 0.121956 0.0378667	1.51E-16 0.526588		0.0545454	574	0.043554	0.0445151	0.26852	1		AC068974-2
0.121956 0.0378667		JJ	1.06E-18	574	0.00696864	0.0063593	1.46893	1		AC068974-2
0.0378667		55	0.0181817	574	0.0339721	0.0325914	0.927581	1		AC068974-2
	4.11E-12	55	4.71È-14	574	0.011324	0.0103339	2.39201	1	8	AC068974-2
	5.33647	55	0.0272728	574	0.00522647	0.00715421	4.311	1	18	AC068974-2
	3.17E-10	55	2.76E-13	574	0.00087108	0.000794913	0.18308	1		AC068974-2
	3.17E-10	55	2.76E-13	574		0.000794913	0.18308	1		AC068974-2
0.335342	3.50155	55	0.00909095	574	0.00261323	0.00317965	0.928159	1		AC068974-2
	3.17E-10	55	2.76E-13	574	0.00087108	0.000794913	0.18308	1		AC068974-2
0.111109	1.59559	55	0.154546	574	0.102787	0.107313	2.53838	1		AC068974-2
0.723343	1.08063 0.70124	55 55	0.3	574 574	0.283972	0.285374	0.125312	1		AC068974-2
0.432112 0.287331	•	55 55	0.0454546 0.390909	574 574	0.0635889 0.44338	0.0620032 0.438792	0.61714 1.13208	1		AC068974-2
0.604326	1.26692	55	0.0545454	574	0.043554	0.436792	0.26852	1		AC068974-2 AC068974-2
	1.51E-16	55	1.06E-18	574	0.00696864	0.0063593	1.46893	1		AC068974-2 AC068974-2
0.335492		55	0.0181817	574	0.0339721	0.0325914	0.927581	1		AC068974-2
0.121956		55	4.71E-14	574	0.011324	0.0103339	2.39201	1		AC068974-2
0.0378667	5.33647	55	0.0272728	574	0.00522647	0.00715421	4.311	1		AC068974-2
0.66874	3.17E-10	55	2.76E-13	574	0.00087108	0.000794913	0.18308	1		AC068974-2
0.66874	3.17E-10	55	2.76E-13	574	0.00087108	0.000794913	0.18308	1	15	AC068974-2
0.335342	3.50155	55	0.00909095	574	0.00261323	0.00317965	0.928159	1	-2	AC068974-2
	3.17E-10	55	2.76E-13	574	0.00087108	0.000794913	0.18308	1	13	AC068974-2
0.59902	1.14583	58	0.172414	780	0.153846	0.155131	0.276476	1		AF131215-1
	0.805799	58	0.293104	780	0.339744	0.336516	1.07476	1		AF131215-1
0.998415	1.00041	58	0.310345	780	0.310256	0.310263	3.94E-06	1		AF131215-1
	0.552631	58	0.0172414	780	0.0307692	0.0298329	0.793693	1		AF131215-1
0.723982 0.562829	1.18777 1.45259	58 58	0.0431035 0.025862	780 780	0.0365385	0.0369928	0.124709	1		AF131215-1
	0.821431	58	0.025662	780	0.0179487 0.0416687	0.0184964 0.0411695	0.334829 0.148546	1		AF131215-1 AF131215-1
0.320657	1.45959	58	0.0775862	780	0.0544872	0.0560859	0.986266	i		AF131215-1
0.294411	2.04424	58	0.025862	780	0.0128205	0.0137232	1.09934	1		AF131215-1
0.592101	1.18E-14	58	1.52E-17	780	0.00128205	0.00119332	0.287074	i		AF131215-1
0.704833	4.37E-12	58	2.80E-15	780	0.000641025	0.000596659	0.143493	1		AF131215-1
0.697802	0.929521	61	0.516394	780	0.534615	0.533294	0.150769	1		AF131215-2
0.579915	1.11131	61	0.426229	780	0.400641	0.402497	0.306372	1	4	AF131215-2
0.690189	0.844827	61	0.0491803	780	0.0576923	0.0570749	0.158881	1	8	AF131215-2
0.501289	1.79E-11	61	3.45E-14	780	0.00192308	0.00178359	0.452205	1	-8	AF131215-2
0.676324	1.60332		0.00819677	780	0.0051282	0.00535077	0.174294	1	-4	AF131215-2
		58	0.396552	795	0.430189	0.427902	0.502881	1	_	AF131215-4
0.184845	1.29107		0.5	795	0.436478	0.440797	1.75824	1		AF131215-4
0.634514		58	0.0689655	795	0.0811321	0.0803048	0.225988	1		AF131215-4
	0.285477		0.0086207	795	0.0295597	0.028136	2.32292	1		AF131215-4
0.407604	1.7323		0.025862	795	0.0150943	0.0158265	0.68578	1		AF131215-4
0.357529	6.82E-12			795	0.00377359	0.003517	0.846552	1		AF131215-4
0.401027 0.70741	1.09E-10 1.51E-13			795	0.00314465 0.000628931	0.00293083 0.000588168	0.705246	1		AF131215-4
0.0963016	1.76706			801	0.062422	0.0652681	0.140878 2.7657 <i>5</i>	1 1		AF131215-4 AF188029-1
				801	0.347066	0.342657	2.76575 2.14551	า 1		AF188029-1

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FIG. 7B. R	FIG. 7B. Results for Bipolar Disorder without Panic Disorder										
1			5		ed	5				<u>.</u>	
<u> </u>		34	2	Ē	4	fre		_	<u>a</u>	홪	
p-vaf	_	#aff	aff.freq	#con	con.freq	H0.freq	Ş	info	allele	marker	
0.434288	0.590808	57	0.0175439	801	0.0293383	0.0285548	0.611329		-12	AF188029-1	
0.832496	1.05185	57	0.210526	801	0.202247	0.202797	0.0447331	1		AF188029-1	
0.475623	0.83072	57	0.157895	801	0.184145	0.182401	0.508884	1	-8	AF188029-1	
0.965978	1.02281	57	0.0350877	801	0.0343321	0.0343823	0.00181925	1	2	AF188029-1	
0.184115	1.67473	57	0.0789474	801	0.0486891	0.0506993	1.76409	1	-10	AF188029-1	
0.261327	1.43339	57	0.114035	801	0.082397	0.0844988	1.26172	1	-2	AF188029-1	
0.164433	3.63E-11	57	3.20E-13	801	0.00873908	0.00815851	1.93298	1	4	AF188029-1	
0.710751	3.94E-10	57	2.46E-13	801	0.000624219	0.000582751	0.137528	1	6	AF188029-1	
0.621405	1.10038	58	0.448276	804	0.424751	0.426334	0.243897	1	0	AF188029-10	
0.901714	0.937651	58	0.0344828	804	0.0366915	0.0365429	0.0152515	1		AF188029-10	
0.127551	0.736929	58	0.336207	804	0.407338	0.402552	2.32207	1		AF188029-10	
0.778226	1.12275	58	0.0603448	804	0.0541045	0.0545244	0.0793164	1		AF188029-10	
0.0990892	1.68676	58	0.12069	804	0.0752488	0.0783063	2.72014	1		AF188029-10	
0.597494	1.96E-10	58	2.45E-13	804	0.00124378	0.00116009	0.278792	1		AF188029-10	
0.708924	1.64E-10	58	1.02E-13	804	0.000621891	0.000580046	0.139354	1		AF188029-10	
0.579137	1.14863	56	0.196429	795	0.175472	0.176851	0.307631	1		AF188029-12	
0.985476	1.00657	56	0.0803571	795	0.0798742	0.079906	0.000331374	1		AF188029-12	
0.593852 0.978505	0.900594 1.0072	56 56	0.535714 0.160714	795	0.561635	0.559929	0.284369			AF188029-12	
0.543585	2.03734	56	0.00892862	795 795	0.159748	0.159812	0.00072591	1		AF188029-12	
0.938849	0.945455	56	0.0178571	795	0.00440251 0.0188679	0.00470035	0.368935	1		AF188029-12	
0.835837	0.961074	60	0.575	809	0.584672	0.0188014	0.00588534	1		AF188029-12	
0.691804	1.07951	60	0.408333	809	0.389988	0.584005 0.391254	0.0429404 0.15714	1		AF188029-7 AF188029-7	
0.81474	0.791399	60	0.00833334	809	0.0105068	0.0103567	0.0549035	1		AF188029-7	
0.142015	3.24E-12	60	3.03E-14	809	0.00927071	0.00863061	2.15599	1	_	AF188029-7	
0.449054	2.42E-10	60	6.00E-13	809	0.00327071	0.0023015	0.573038	1		AF188029-7	
0.417341	2.71092	60	0.00833333	809	0.00309024	0.00345224	0.657791	1		AF188029-7	
0.417636	1.20832	40	0.525	449	0.477728	0.481595	0.656957	1		AF287957-1	
0.0581369	0.622981	40	0.2875	449	0.393096	0.384458	3.58975	1		AF287957-1	
0.239885	0.464266	40	0.025	449	0.0523385	0.0501022	1.38127	1		AF287957-1	
0.149224	2.4349	40	0.05	449	0.0211581	0.0235174	2.08017	1		AF287957-1	
0.0339226	3.45491-	40	0.0625001	449	0.018931	0.0224949	4.4986	1		AF287957-1	
0.345145	1.90477	40	0.0375001	449	0.0200445	0.0214724	0.891226	1	-2	AF287957-1	
0.767846	0.745149	40	0.0125	449	0.0167038	0.0163599	0.0871392	1		AF287957-1	
0.368674	1.46881	61	0.0573771	867	0.0397924	0.0409483	0.808129	1	-12	D8S1130	
0.16812	1.33239	61	0.303279	867	0.246251	0.25	1.89963	1	4	D8S1130	
0.868403	0.963438	61	0.221312	867	0.227797	0.227371	0.0274522	1		D8S1130	
0.0912015	0.642196	61	0.131148	867	0.190311	0.186422	2.85304	1		D8S1130	
0.699451	1.12656	61	0.106557	867	0.0957324	0.096444	0.149044	1		D8S1130	
	0.825683	61	0.131148	867	0.154556	0.153017	0.500819	1		D8S1130	
0.941492		61	0.0327869	867	0.0340254	0.033944	0.00538681	1		D8S1130	
0.857508 0.0195481	0.834711 149070	61 61	0.00819672	867	0.00980392	0.00969828	0.032237	1		D8S1130	
0.522835	1.35E-11	61	0.00819593 2.34E-14	867 867	5.54E-08	0.000538793	5.4518	1		D8S1130	
0.825877	0.954251	60	0.266667	839	0.0017301 0.275924	0.00161638 0.275306	0.408298	1		D8S1130	
0.704363	1.07443	60	0.483333	839	0.465435	0.46663	0.0483969 0.143973	1		D8S1469	
0.450413	1.21164	60	0.175	839	0.148987	0.150723	0.569613	1		D8S1469 D8S1469	
0.191474		60	0.0333333	839	0.0601907	0.0583982	1.70624	1		D8S1469	
0.270889	2.12565	60	0.0250001	839	0.0119189	0.012792	1.21224	1		D8S1469	
0.211151		60	0.0166667	839	0.0363528	0.0350389	1.56352	1		D8S1469	
0.599038	3.19E-12	60	3.80E-15	839	0.0011919	0.00111235	0.276449	i		D8S1469	
0.864964	1.03499	52	0.480769	845	0.472189	0.472687	0.0289198	1		D8S1695	
0.71935	1.15974	52	0.0673076	845	0.0585799	0.0590858	0.129116	1		D8S1695	
0.749008	0.90158	52	0.105769	845	0.115976	0.115385	0.102369	1		D8S1695	
0.355556		52	0.192308	845	0.230769	0.22854	0.85353	1	8	D8S1695	
0.834287	1.13769	52	0.0288462	845	0.0254438	0.025641	0.0437674	1	12	D8S1695	
0.23416	1.54304	52	0.0961539	845	0.064497	0.0663322	1.41541	1	6	D8S1695	
0.602845	1.81336	52	0.0096153	845	0.00532545	0.00557414	0.270728	1	14	D8S1695	

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FIG. 7C.	Results	for Bipol	ar Disorder w	vithout Panie	Disordor

i	FIG. 7C. Results for Bipolar Disorder without Panic Disorder										
				ō	r.	5	<del></del>				
	7		34-	aff.fred	=	Log Log	H0.freq			۵	marker
ļ	jen-a		#aff	#	#con	5	. J.	0.1	ي	allele	粪
	0.88514			0.0192307	7 945				info	<b>a</b>	Ĕ
	0.36004							0.0208667		1 2 D8S1695	
	0.624919	9 5.76E-1	2 52			0.0041420 0.0011834		0.837755		1 16 D8S1695	
	0.729607					0.00059171		0.239014		1 -4 D8S1695	
	0.80841					0.24416		0.119473 0.0587953		1 9 D8S1695	
	0.158461					0.040435		1.98885		1 34 D8S1721	
	0.461971			**********		0.40746		0.541116		1 36 D8S1721 1 0 D8S1721	
	0.595841					0.1267		0.281315			
	0.432878 0.0775081					0.0956454	0.0975783	0.615089	1		
	0.467735			0.0762712		0.0388803		3.1164	1		
	0.512395			1.51E-13 0.00847456	643	0.00233282		0.527321	1		
	0.691622			0.00847451	643 643	0.0155521 0.0124417		0.429173	1	8 D8S1721	
	0.348332			2.84E-13		0.00388803		0.157335	1		
	0.129906		5 59	3.10E-17		0.0101089	0.00356125	0.879525	1		
	0.675145			6.41E-14			0.000712251	2.29362 0.175643	1		
	0.675145			6.41E-14	643	0.000777605	0.000712251	0.175643	1		
	0.675145			6.41E-14		0.000777605	0.000712251	0.175643	1		
	0.0614298			0.532258		0.617783	0.612069	3.49835	i		
	0.634574 0.852221			0.104839	_	0.0918014	0.0926724	0.225909	1		
	0.149653			0.0564515	866	0.0525404		0.0347024	1		
	0.880877			0.16129 0.016129	866	0.116051		2.07579	1	12 D8S1759	
	0.683338			0.016129	866 866	0.0144342		0.0224573	1		
	0.225795			0.0887097	866	0.0213626 0.0600462	***************************************	0.166393	1		
	0.89257			0.00806456	866	0.0000482	0.0619612 0.00915948	1.46715	1	4 D8S1759	
	0.922244		62	0.016129	866	0.0150115	0.0150862	0.0182392	. 1	16 D8S1759	
	0.519328			6.62E-13	866	0.0017321	0.00161638	0.00952714 0.415229	`1 1	14 D8S1759	
	0.456297	1.18012		0.5	702	0.458689	0.461074	0.554962	1	-2 D8S1759 0 D8S1825	
	0.24022 0.960318		_	0.0465116	702	0.0790598	0.0771812	1.3793	1	8 D8S1825	
	0.316577	1.01672 0.741137		0.127907	702	0.126068	0.126174	0.00247554	i	10 D8S1825	
	0.361023	2.00E-14		0.151163 1.00E-16	702	0.193732	0.191275	1.00304	1	6 D8S1825	
	0.222186	1.48877	43	0.151163	702 702	0.00498575	0.00469799	0.834332	1	-2 D8S1825	
	0.195893	8.13E-12		8.19E-14	702	0.106838 0.00997151	0.109396	1.49019	1	2 D8S1825	
	0.647625	1.42961	43	0.0232559	702	0.00997151	0.00939597	1.67273	1	12 D8S1825	
	0.440285	7.53E-12	43	2.69E-14	702	0.00356125	0.0167785 0.0033557	0.208908	1	4 D8S1825	
	0.730184	1.47E-10	43	1.05E-13		0.000712251	0.0033557	0.595538 0.118943	1	-1 D8S1825	
	0.753881	1.07363	44	0.375	841	0.358502	0.359322	0.0982984	1	14 D8S1825	
	0.317205	0.643406	44	0.0568181	841	0.0856124	0.0841808	1.00044	1	4 D8S265 18 D8S265	
	0.078936 0.666891	9.89E-13	44	1.80E-14	841	0.0178359	0.0169492	3.08667	i	6 D8S265	
	0.481601	1.17212 1.22653	44	0.102273	841	0.088585	0.0892655	0.18526	i	14 D8S265	
	0.395095	0.684796	44 44	0.181818	841	0.153389	0.154802	0.495235	1	0 D8S265	
	0.897034	0.96109	44	0.0568181 0.147727	841 841	0.0808561	0.079661	0.723203	1	-5 D8S265	
	0.172352	1.82619	44	0.0795455	841	0.152794	0.152542	0.0167466	1	2 D8S265	
	0.186827	1.32E-11	44	1.35E-13	841	0.0451843 0.010107	0.0468927	1.86236	1	12 D8S265	
	0.749417	4.63E-12	44	2.76E-15	841		0.00960452 0.000564972	1.74246	1	16 D8S265	
	0.579995	3.94E-11	44	7.04E-14	841	0.00178359	0.00169492	0.102022 0.306242	1	-3 D8S265	
	0.474836	1.14E-12	44	3.40E-15	841	0.00297265	0.00282486	0.5107	1	10 D8S265	
	0.749417	4.63E-12	44	2.76E-15	841		0.000564972	0.102022	1	8 D8S265 20 D8S265	
	0.749417 0.749417	4.63E-12	44	2.76E-15	841	0.00059453	0.000564972	0.102022	1	1 D8S265	
		4.63E-12 0.996403	44	2.76E-15	841		0.000564972	0.102022	i	-4 D8S265	
	0.305742	1.35317	33 33	0.0909091	762	0.0912073	0.091195	6.80E-05	1	0 D8S351	
	0.430602	1.26016	33	0.257576 0.257576	762 762	0.204068	0.206289	1.04898	1	18 D8S351	
		0.964886	33	0.257576	762 762	0.215879 0.156168	0.21761	0.621199	1	2 D8S351	
	0.173787	0.31956	33	0.0151515	762	0.156168	0.155975 0.0446541	0.0104814	1	6 D8S351	
						3.0.000.0	0.0770041	1.84997	1	20 D8S351	

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FIG.	7D.	Results fo	r Bipolar	Disorder without	t Panic Disorder

FIG. 7D. F										
- <del>-</del> -			aff.freq	=	con.freq	HO.freq			0	marker
p-val		#aff	#	#con	ä	0.f	~	info	allele	声
0.215344	1.06E-11	33	1.26E-13	<del>76</del> 2	<del>ق</del> 0.011811	工 0.0113208	<u> </u>	⊆	<u></u>	_E
0.400003	0.624339	33	0.0454545	762		0.0698113	1.53513 0.708316	1		
0.603264	0.768725	33	0.060606	762			0.270101	1		
0.33331	3.33405	33	0.0151515	762			0.935995	1		
0.634597	1.22072	33	0.106061	762	0.0885827	0.0893082	0.225878	1		
0.0926225	1.50E-11	33	3.32E-13	762		0.0207547	2.82819	1		
0.274837	2.84E-12	33	2.63E-14	762			.1.19245	1		
0.56006	5.87E-14	33	1.54E-16	762		0.00251572	0.339601	1		
0.448788 0.980215	0.854838 1.00633	58 58	0.301724	825			0.573711	1	-6 D8S503	
0.321893	1.2189	58	0.172414 0.37931	825	0.171515		0.000615032	1		
0.0359288	0.290408	58	0.0172414	825 825	0.333939 0.0569697	0.33692	0.981241	1		
0.350094	1.42442	58	0.0775863	825	0.0557576	0.0543601 0.0571914	4.40048	1		
0.26815	1.24E-11	58	6.78E-14	825	0.00545455	0.00509626	0.873115 1.22619	1		
0.382595	1.49718	58	0.0517241	825	0.0351515	0.0362401	0.762346	1 1		
0.522981	2.30E-11	58	4.19E-14	825	0.00181818	0.00169875	0.40801	-	-10 D8S503	
0.366136	1.20E-13	58	4.38E-16	825	0.00363636	0.00339751	0.816738	1		
0.403745	0.855197	62	0.548387	876	0.586758	0.584222	0.697146	1		
0.385815	1.21411	62	0.233871	876	0.200913	0.203092	0.752091	1		
0.907354 0.871696	1.03746 0.948964	62	0.0967742	876	0.0936073	0.0938166	0.0135438	1		
0.00364776	14.4548	62 62	0.0887098 0.0241935	876	0.0930365	0.0927505	0.0260839	1		
0.0751962	5.94E-18	62	7.90E-20	876	0.00171233	0.00319829	8.45133	1		
0.761509	0.74155	62	0.00806452	876 876	0.0131279	0.0122601	3.16579	1		
0.371238	1.19618	57	0.403509	663	0.0108447 0.361237	0.010661 0.364583	0.092112	1	-4 D8S516	
0.402548	0.813844	57	0.184211	663	0.217195	0.214583	0.799518	1		
0.027895	4.30E-13	57	9.62E-15	663	0.0218703	0.0201389	0.7007 4.83455	1	8 D8S520 10 D8S520	
0.62836	1.15818	57	0.122807	663	0.107843	0.109028	0.234292	1	0 D8S520	
	0.791186	57	0.0526315	663	0.0656109	0.0645833	0.309715		-10 D8S520	
0.353393		57	0.0789474	663	0.105581	0.103472	0.861236	1	2 D8S520	
0.0777413 0.222305	1.65417 1.57E-11	57	0.157895	663	0.10181	0.10625	3.1115	1	4 D8S520	
0.684583	2.16E-11	57 57	1.07E-13	663	0.00678733	0.00625	1.48943	1	-12 D8S520	
0.142149	5.08E-11	57	1.63E-14 5.03E-13	663 663	0.000754148	0.000694444	0.165012	1	9 D8S520	
0.565574		57	4.26E-15	663	0.00980392 0.0015083	0.00902778	2.15454	1	-2 D8S520	
0.267119		58	0.474138	840	0.527381	0.00138889 0.523942	0.330144 1.23148	1	12 D8S520	
0.0842544	1.53528	58	0.206897	840	0.145238	0.14922	2.98086	1	0 D8S542 4 D8S542	
0.893055		58	0.318965	840	0.325	0.32461	0.018074	i	2 D8S542	
0.526596	5.83E-11	58	1.04E-13	840	0.00178571	0.00167038	0.400955	1	-2 D8S542	
0.714754	5.94E-12	58	3.54E-15	840	0.000595238	0.000556793	0.133575		-12 D8S542	
0.930316 0.993832	1.03056	55	0.0909091	814	0.0884521	0.0886076	0.0076471	1	-8 D8S550	
	1.00236 0.894133	55 55	0.118182	814	0.117936	0.117952	5.98E-05	1	12 D8S550	
	0.920186	55 55	0.0636364 0.263636	814	0.0706388	0.0701956	0.0795925	1	-6 D8S550	
0.305257		55	0.109091	814 814	0.280098 0.14312	0.279056	0.140305	1	14 D8S550	
0.076296	2.41396	55	0.0545453	814	0.0233415	0.140967 0.0253165	1.05109	1	-2 D8S550	
0.719432	1.14932	55	0.0727273	814	0.0638821	0.0253165	3.14209	1	8 D8S550	
0.204892	1.74582	55	0.0636362	814	0.0374693	0.0391254	0.129038 1.60716	1	10 D8S550	
0.900611	1.09808	55	0.0181818	814	0.0165848	0.0166858	0.0155975	1	18 D8S550 20 D8S550	
0.384808		55	0.0636364	814	0.0866093	0.0851554	0.755287	1	16 D8S550	
0.412013	1.36158	55	0.0818181	814	0.0614251	0.0827158	0.672983	1	0 D8S550	
0.277346		55	2.09E-13	814	0.00552826	0.00517837	1.18005	1	2 D8S550	
	1.17E-12	55 55	2.89E-15	814	0.002457	0.0023015	0.523685	1	22 D8S550	
	2.02E-13 2.02E-13	55 55	2.48E-16	814	0.0012285	0.00115075	0.261687	1	6 D8S550	
0.131551	0.579512	16	2.48E-16 0.46875	814 391	0.0012285	0.00115075	0.261687	1	4 D8S550	
0.131551	1.72559	16	0.53125	391	0.603581 0.396419	0.59828	2.2741	1	1 DG00AAHE	
0.285177		41	0.646341	725	0.702759	0.40172 0.699739	2,2741	1	2 DGO0AAHE	
		•			02.7 00	0.000138	1.14225	1	2 DGO0AAHE	3H

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FIG.	7E.	Results for	Bipolar	Disorder without Panic Disorder

10.75. 8	caulta IU			uei V	vithout Pani				
. =			aff.freq	=	con.freq	H0.freq			allele marker
p-val		#aff	#	#con	e.	0.5	7	info	allele mark
0.285177	1.29366	<del>#</del> 41	0.353659	<u>非</u> 725	<u>ت</u> 0.297241	<u>エ</u> 0.300261	1.14225	<u>-</u>	
0.382271	0.806631	38	0.631579	811	0.680025	0.677858	0.763387	1	1 DG00AAHBH 3 DG00AAHBI
0.382271	1.23972	38	0.368421	811	0.319975	0.322144	0.763387	1	1 DG00AAHBI
0.278007	1.3071	52	0.240385	531	0.194915	0.198971	1.17681	1	0 DG8S117
0.278007		52	0.759615	531	0.805085	0.801029	1.17681	1	9 DG8S117
0.971671 0.971671	0.988415 1.01172	62 62	0.91129 0.0887096	826 826	0.912228	0.912162	0.00126118	1	0 DG8S118
	0.818662	52	0.394231	604	0.0877724 0.442881	0.0878378 0.439024	0.00126118 0.927712	1	5 DG8S118
	0.956222	52	0.115385	604	0.120033	0.119665	0.01983	1	0 DG8S127 6 DG8S127
0.258737	1.26033	52	0.490384	604	0.432947	0.4375	1.2755	1	1 DG8S127
0.362993	1.54E-12	52	6.38E-15	604	0.00413907	0.00381098	0.827511	1	2 DG8S127
0.847624	1.04506	56	0.758929	646	0.750774		0.0369218	1	0 DG8S128
	0.956886	56	0.241071	646	,0.249226	0.248575	0.0369218	1	4 DG8S128
0.893296		56 56	0.366072	772	0.372409	0.371981	0.0179922	1	4 DG8S130
0.540972	1.63315	56	0.482143 0.0178571	772 772	0.537565 0.0110104	0.533816 0.0114734	1.28547 0.373742	1	0 DG8S130
0.173265	6.94598	56	0.0089286	772	0.00129533	0.00181159	1.85446	1	-4 DG8S130 12 DG8S130
0.169927	1.8395	58	0.0625	772	0.0349741	0.0368357	1.88359	1	
0.208801	1.73918	56	0.0624999	772	0.0369171	0.0386473	1.57972	1	8 DG8S130
0.358847		56	2.74E-13	772	0.00388601	0.00362319	0.841924	1	
0.516655	1.44E-10	56	2.80E-13	772	0.00194301	0.00181159	0.420566	1	-8 DG8S130
0.94086		60	0.85	739	0.852503		0.00550408	1	0 DG8S134
0.877445 0.109039	0.959107 12.4118	60 60	0.141667 0.00833336	739	0.14682 0.000676588	0.146433	0.0237803	1	4 DG8S134
0.109039	12.4110	57	0.657895	739 779	0.657895	0.00125156 0.657895	2.5681 -9.09E-13	1	2 DG8S134 0 DG8S136
0.112226	0.373997	57	0.017544	779	0.0455712	0.0436603	2.52259	1	6 DG8S136
0.648818	1.1734	57	0.0877193	779	0.0757381	0.076555	0.207393	i	-6 DG8S136
0.605035	1.24131	57	0.0614035	779	0.0500642	0.0508373	0.267469	1	2 DG8S136
0.113172	0.4357	57	0.0263158	779	0.0584082	0.0562201	2.50935	1	4 DG8S136
0.359938	1.41477	57	0.0789473	779	0.0571245	0.0586124	0.838111	1	-4 DG8S136
0.812303 0.707013	0.868891 8.09E-11	57 57	0.0263158 5.20E-14	779	0.0301669	0.0299043	0.0563853	1	-2 DG8S136
0.243919	1.98701	57	0.0350877	779 779	0.000641848 0.0179718	0.000598086 0.0191388	0.141279 1.3578	1	
0.400351	7.17E-13	57	2.31E-15	779	0.00320924	0.00299043	0.707272	1	8 DG8S136 -8 DG8S136
0.594973	6.71E-12	57	8.62E-15	779	0.0012837	0.00119617	0.282645	1	10 DG8S138
0.253998	4.58704	57	0.00877195	779	0.00192554	0.00239234	1.30118	1	-14 DG8S136
0.604575		11	0.272727	234	0.324786	0.322449	0.268151	1	-2 DG8S137
0.33397	1.95338	11	0.136363	234	0.0747863	0.077551	0.933443	1	2 DG8S137
0.291975 0.90172	1.90022 0.880952	11 11	0.181818 0.0454546	234	0.104701	0.108163	1.11049	1	6 DG8S137
0.631526		11	0.181819	234 234	0.0512821	0.0510204 0.222449	0.0152496 0.229998	1	10 DG8\$137 0 DG8\$137
0.960863		11	0.090909	234	0.0940171	0.0938776	0.00240792	1	-4 DG8S137
0.398795		11	0.0454547	234	0.0940171	0.0918367	0.711955	1	4 DG8S137
0.409548	2.73812	11	0.045455	234	0.017094	0.0183673	0.680111	1	12 DG8S137
0.543528	7.21E-11	11	6.21E-13	234	0.00854701	0.00816327	0.36904	1	8 DG8S137
0.761687		11	4.64E-13	234	0.00213675	0.00204082	0.0919703	1	14 DG8S137
0.667845 0.366532		11	1.59E-12	234	0.00427351	0.00408163	0.184133	1	18 DG8S137
0.356408	0.7517 1.33812		0.0999999	761 761	0.128778 0.870565	0.126838 0.872549	0.815387	1	-1 DG8S138
0.708673		55	1.15E-15	761		0.000612745	0.850512 0.139606	1	0 DG8S138 1 DG8S138
0.887346	1.03081	49	0.408163	585	0.400855	0.40142	0.0200685	1	0 DG8S147
0.900469		49	0.591837	585	0.598291	0.597792	0.0156423	1	2 DG8S147
0.688292		49	3.73E-14	585		0.000788644	0.16094	1	1 DG8S147
0.636615		59	0.0593221	694	0.0706052	0.0697211	0.223196	1	-4 DG8S148
0.545287 0.245471	1.13556	59	0.305085	694	0.278818	0.280876	0.365829	1	2 DG8S148
0.633681	0.761006 1.09821	59 59	0.194915 0.398305	694 694	0.241354 0.376081	0.237716	1.34889	1	-2 DG8S148
0.89712		59	0.0338982	694	0.0317003	0.377822 0.0318725	0.227103 0.0167185	1	0 DG8S148 4 DG8S148
		-	0.000002	J-7	0.0011000	0.0010120	0.0107105	1	4 1/300140

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FIG. 7F. Results for Bipolar Disorder without Panic Disorder

FIG. 7F. I	vesuits I									
_	:		aff.freq		con.freq	þ				<u></u>
D-va		#aff	1.6	#con	i i	H0.freq	•	.c	allele	marker
0.0239166		<del></del>	7 0 000 17000	₩			X	info	= =	티
0.567669					7.80E-08	0.000664011	5.10067		1 6 DG8S148	
0.263405						0.00132802	0.326599		1 -17 DG8S148	
0.857201					0.427061 0.120507	0.431548 0.12004	1.25077		1 -2 DG8S153	
0.165944		31			0.0158562	0.12004	0.0323776 1.91921		0 DG8S153	
0.332639			0.0967743		0.138478	0.135913	0.938597	1	1 -6 DG8S153 1 8 DG8S153	
0.960209					0.12685	0.126984	0.00248915		6 DG8S153	
0.743331 0.99324		31			0.0581395	0.0575397	0.10722		10 DG8S153	
0.99324					0.0486258	0.0486111	7.18E-05	1		
0.410177				473 473	0.0264271	0.0248016	3.21539	1	14 DG8S153	
0.425003					0.0285412 0.00528541	0.0297619 0.00496032	0.678286	1		
0.296624	3.86065				0.00328341	0.00496032	0.63644	1		
0.735263	1.10639	27			0.311258	0.3125	1.08931	1		
0.488737			0.12963	453	0.0993378	0.101042	0.114334 0.479305	1		
0.742857				453	0.0253863	0.025	0.107632	i		
0.975996				453	0.093819	0.09375	0.000905323	1		
0.304698 0.684405				453	0.245033	0.241667	1.05352	1		
0.823623		27 27		453	0.0695364	0.06875	0.16521	1	10 DG8S155	
0.799212		27		453 453	0.101545	0.102083	0.0496789	1		
0.555291		27		453	0.0441501 0.00331126	0.04375	0.0647029	1		
0.0775904		27		453	0.00331126	0.003125 0.00208333	0.347924		-10 DG8S155	
0.73358		27		453	0.00110375	0.00208333	3.11467 0.11585	1		
0.0775904		27		453	0.00110376	0.00208333	3.11467	1		
0.555291	3.06E-11	27		453	0.00331126	0.003125	0.347924	1	16 DG8S155	•
0.190234	1.29628	56		777	0.383526	0.387755	1.7158	i	6 DG8S156	
0.161363 0.810832	0.75991	56		777	0.568211	0.563625	1.9614	1	0 DG8S156	
0.249986	1.13757 4.65763	56 56		777	0.0315315	0.0318127	0.0572896	1	-6 DG8S156	
0.58993		56		777 777	0.0019305	0.00240096	1.32338	1	3 DG8\$156	
0.271315		·51	0.911765	556	0.0148005 0.940648	0.0144058	0.290454	1	9 DG8S156	
0.373416	1.47229	51	0.0686274	556	0.0476619	0.938221 0.0494234	1.21009 0.792264	1	0 DG8S159	
0.519798	1.69077	51	0.0196079	556	0.0116906	0.0123558	0.414294	1	-2 DG8S159 2 DG8S159	
0.833341	0.959682	58	0.413793	735	0.42381	0.423077	0.0442757	1	0 DG8S161	
0.833341	1.04201	58	0.586207	735	0.57619	0.576923	0.0442757	i	2 DG8S161	
0.904333 0.904333	1.02303	60	0.475	815	0.469325	0.469714	0.0144454	1	0 DG8S163	
0.368949	0.977488 1.21796	60 48	0.525	815	0.530675	0.530286	0.0144454	1	3 DG8S163	
0.473152	0.8554	48	0.375 0.614583	759	0.33004	0.332714	0.807201	1	0 DG8S170	
0.695445	0.684212	48	0.0104167	759 759	0.650856 0.0151515	0.648699	0.514605	1	2 DG8S170	
0.620301	9.85E-13	48	1.30E-15	759	0.00131752	0.0148699 0.00123916	0.153254	1	-4 DG8S170	
0.620301	9.85E-13	48	1.30E-15	759	0.00131752	0.00123916	0.245444 0.245444		-19 DG8S170	
0.620301	9.85E-13	48	1.30E-15	759	0.00131752	0.00123916	0.245444	1	-2 DG8S170 -8 DG8S170	
0.114214	0.728131	57	0.359649	643	0.435459	0.429286	2.49492	1	14 DG8S177	
0.909639	1.1292	57	0.00877188	643	0.00777605	0.00785714	0.0128809	i		
0.387023	1.49758	57	0.0526315	643	0.0357698	0.0371429	0.748274	1	10 DG8S177	
0.314179 0.567176	1.2498 0.817801	57 57	0.280702	643	0.237947	0.241429	1.01303	1	12 DG8S177	
0.662838	1.13278	57	0.0789475	643	0.0948678	0.0935714	0.32743	1	18 DG8S177	
0.559832	2.02E-10	57	0.140351 3.15E-13	643 643	0.125972 0.00155521	0.127143	0.190095	1	16 DG8S177	
0.453995	1.32747	57	0.0789473	643	0.0606532	0.00142857 0.0621429	0.339996	1	2 DG8S177	
0.660657	1.09408	52	0.548077	622	0.525723	0.527448	0.560659	1	0 DG8S177	
0.660657	0.914005	52	0.451923	622	0.474277	0.472552	0.192727 0.192727	1	0 DG8S179	
0.28668	0.784423	57	0.22807	625	0.2736	0.269795	1.13515	1	7 DG8S179 10 DG8S181	
0.5118	0.861652	57	0.236842	625	0.2648	0.262463	0.430386	i	12 DG8S181	
0.585288 0.249849	1.19538	57 57	0.105263	625	0.0896	0.0909091	0.297763	1	0 DG8S181	
U.L-13U-18	1.52807	57	0.0877193	625	0.0592	0.0615836	1.32415	1	14 DG8S181	

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FIG. 7G. Results for Bipolar Disorder without Panic Disorder

FIG. 7G. Results for Bipolar Disorder without Panic Disorder										
			5		ed	5				_
-			aff.freq	=	con.freq	H0.freq		_	ම	marker
p-val		#aff	#	#con	5	ë	×	info	allele	롈
	0.561959	57	0.0701756	625	0.1184	0.11437	2.70706	<del>-</del>	4 DG8S181	드
0.170625	1.43453	57	0.18421	625	0.136	0.140029	1.87745	1	8 DG8S181	
	0.911411	57	0.0263158	625	0.0288	0.0285924	0.0237791	i	18 DG8S181	
0.268346	4.65E-12	57	2.62E-14	625	0.0056	0.00513196	1.22518	1	6 DG8S181	
0.139686	2.48889	57	0.0350877	625	0.0144	0.016129	2.18142	1	16 DG8S181	
0.0827705	5.56247	57	0.0175438	625	0.00320001	0.00439883	3.00964	1	-2 DG8S181	
0.774579	1.3739	57	0.00877194	625	0.0064	0.00659824	0.0820192	1	2 DG8S181	
0.154481	0.604252	44	0.875	818	0.920538	0.918213	2.02743	1	0 DG8S182	
0.154481	1.65495	44	0.125	818	0.0794621	0.0817865	2.02743	1	-3 DG8S182	
0.918548	1.02608	47	0.765957	641	0.76131	0.761628	0.0104576	1	0 DG8S188	
0.918548	0.974583	47	0.234043	641	0.23869	0.238372	0.0104576	1	-1 DG8S188	
0.500557	1.17799 1.3395	37	0.594595	568	0.554577	0.557025	0.453756	1	0 DG8S192	
0.330595 0.0585889	2.08E-12	37 37	0.216216 5.25E-14	568 568	0.170775 0.0246479	0.173554 0.0231405	0.946565 3.57689	1	2 DG8S192 16 DG8S192	
0.678379	0.808381	37	0.0540541	568	0.0660211	0.0652893	0.171956	1	4 DG8S192	
0.59723	0.798803	37	0.0810811	568	0.0994718	0.0983471	0.279193	i	-2 DG8S192	
0.523483	0.724957	37	0.0540541	568	0.0730634	0.0719008	0.407025	i	12 DG8S192	
0.426469	5.26E-12	37	2,33E-14	568	0.00440141	0.00413223	0.63242	1	8 DG8S192	
0.476998	3.49E-10	37	1.23E-12	568	0.00352113	0.00330579	0.50572	1	10 DG8S192	
0.61522	2.80E-12	37	4.94E-15	568	0.00176056	0.00165289	0.252644	1	-4 DG8S192	
0.61522	2.80E-12	37	4.94E-15	568	0.00176056	0.00165289	0.252644	1	14 DG8S192	
0.546339	0.890507	62	0.604839	730	0.632192	0.630051	0.363916	1	0 DG8S197	
0.546339	1.12296	62	0.395161	730	0.367808	0,369949	0.363916	1	1 DG8S197	
0.238022	1.253	60	0.558333	677	0.502216	0.506784	1.39227	1	0 DG8\$201	
0.978142		60	0.333333	677	0.334564	0.334464	0.000750696	1	4 DG8S201	
0.192591	0.666736	60	0.0916667	677	0.131462	0.128223	1.69769	1	-2 DG8S201	
0.317853	0.516752	60	0.0166667 0.959677	677	0.0317578 0.953061	0.0305292	0.99776 0.117702	. 1	2 DG8\$201	
0.73154 0.73154	1.17216 0.853125	62 62	0.959677	735 735	0.953061	0.953576 0.0464241	0.117702	' 1 1	0 DG8S212 2 DG8S212	
0.58951	0.870115	35	0.614286	392	0.646684	0.644028	0.291109	1	4 DG8S215	
0.560161	1.1622	35	0.385714	392	0.350765	0.35363	0.339425	i	0 DG8S215	
0.558385	1.05E-12	35	2.68E-15	392	0.00255102	0.00234192	0.342508	1	2 DG8S215	
0.0871529	1.4521	51	0.45098	292	0.361301	0.374636	2.92619	1	0 DG8S221	
0.31001	1.26739	51	0.323529	292	0.273973	0.281341	1.03063	1	5 DG8S221	
0.278737	0.540566	51	0.0294117	292	0.0530822	0.0495627	1.17324	1	7 DG8S221	
0.295148	0.688172		0.0882353	292	0.123288	0.118076	1.09599	1	4 DG8\$221	
0.0270241	0.474096		0.0882353	292	0.169521	0.157434	4.88927	1	-2 DG8S221	
0.740381	0.712872		0.00980394	292	0.0136986	0.0131195	0.109792	1	1 DG8S221	
0.570284	1.42E-14		2.44E-17	292	0.00171233	0.00145773	0.322208	1	8 DG8S221	
0.423644	2.88119	_	0.00980392	292	0.00342465	0.00437318	0.640186	1	-1 DG8S221	
0.288824 0.816519	1,2375 0,954799		0.37931 0.37069	726 726	0.330579 0.381543	0.334184 0.38074	1.1251 0.0538355	1	0 DG8S232 2 DG8S232	
0.310151	0.954799			726	0.361343	0.142857	1.03003	1	-8 DG8S232	
0.867702			0.0775862	726	0.0819559	0.0816327	0.0277481	i	-4 DG8S232	
0.207478				728	0.0378788	0.036352	1.58894	i	4 DG8\$232	
0.126512	2.29086		0.0431034	726	0.0192837	0.0210459	2.33479	1	-2 DG8S232	
0.694959	1.33E-12				0.000688705		0.153769	1	-6 DG8\$232	
0.432654	3.68E-15	58	1.02E-17	726	0.00275482	0.00255102	0.615689	1	6 DG8S232	2
0.0894128	1.94577		0.951613	672	0.90997	0.913488	2.88491	1	0 DG8S238	3
0.0894128				672	0.0900298	0.0865123	2.88491	1		
0.274709				476	0.644958	0.640351	1.19308	1		
0.274709				476	0.355042	0.359649	. 1.19308	1		
0.0454729				468	0.895299	0.901328	4.00101	1		
	0.826128			468	0.0608974	0.0597723 0.0370019	0.196643	1		
0.00211384 0.49051				468 468	0.0416667 0.00213675	0.0370019	9.44796 0.475408	1		
	0.881381			682	0.569648	0.567439	0.381241	1		
0.446947				682	0.181085	0.183243	0.578382		-19 DG8S249	
			_,_,,					•		-

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FIG. 7H. Results for Bipolar Disorder without Panic Disorder

FIG. 7H. R	lesults fo	r Bi									
											$\overline{\cdot}$
न		<b>9</b> —	aff.freq	Ē	con.freq	H0.freq			0		marker
p-vaľ		#aff	##	#con	5	9	×	info	allele		절
0.545259	0.566061	52	0.00961538	682	0.0168622	0.0163488	0.36588	<u>.=</u>		DG8S249	트
0.618479	0.6209	52	0.00961543	682	0.0153959	0.0149864	0.248011	1		DG8S249	
0.693429	0.869599	52	0.0865384	682	0.0982405	0.0974114	0.155398	1		DG8S249	
0.348212	2.20916	52	0.0192308	682	0.00879765	0.00953678	0.879961	1		DG8S249	
0.144024	1.84322	52	0.0769229	682	0.0432551	0.0456403	2.13443	1		DG8S249	
0.0648878 0.11288	3.14E-12 1.22E-11	52	5.38E-14	682	0.0168622	0.0156676	3.40783	1	-6	DG8S249	
0.309862	3.95E-12	52 52	1.54E-13 2.04E-14	682	0.0124633	0.0115804	2.51343	1		DG8S249	
0.413523	1.51515	52	0.0480769	682 682	0.00513196 0.0322581	0.00476839	1.03126	1		DG8S249	
0.19623	1.62032	61	0.0819673	584	0.0522361	0.0333787 0.0550388	0.668649 1.67021	1	-	DG8S249	
0.574063	0.880554	61	0.221311	584	0.244007	0.24186	0.315932	1		DG8S250 DG8S250	
0.296023	1.32061	61	0.163934	584	0.129281	0.132558	1.09203	1		DG8S250	
0.412746	1.2111	61	0.221311	584	0.190068	0.193023	0.670878	1		DG8S250	
0.0459515	0.620924	61	0.172131	584	0.250856	0.243411	3.98337	1		DG8S250	
0.689122	1.16071	61	0.0737705	584	0.0642123	0.0651163	0.160038	1	-2	DG8S250	
0.138411 0.178086	2.45E-13 2.65164	61	2.33E-15	584	0.00941781	0.00852713	2.19554	1	_	DG8S250	
0.796756	0.829713	61 61	0.0245902 0.0163935	584	0.00941781	0.0108527	1.81352	1	_	DG8S250	
0.64033	0.635261	61	0.00819671	584 584	0.0196918 0.0128425	0.0193798 0.0124031	0.0663309	1		DG8S250	
0.874558	1.12843	61	0.0163934	584	0.0145548	0.0147287	0.218311	1		DG8S250	
0.372264	3.74E-12	61	1.28E-14	584	0.00342466	0.00310078	0.0249236 0.796093	1	_	DG8S250 DG8S250	
0.725989	1.07153	61	0.647541	680	0.631618	0.632928	0.122826	1		DG8S257	
0.819751	0.954377	61	0.303279	680	0.313235	0.312416	0.0519225	1	_	DG8S257	
0.270525	0.546218	61	0.0245901	680	0.0441177	0.0425101	1.21408	1		DG8S257	
0.558965	1.6024	61	0.0163936	680	0.0102941	0.0107962	0.341499	1		DG8S257	
0.121356	11.2314	61	0.00819671	680	0.000735295	0.00134953	2.39973	1		DG8S257	
0.639807 0.319529	1.12067 1.22222	55	0.218182	637	0.199372	0.200867	0.218995	1	15	DG8S258	
0.076313	0.624114	55 55	0.6	637	0.55102	0.554913	0.990872	1		DG8S258	
0.102499	1.10E-11	55	0.145455 1.40E-13	637 637	0.214286 0.0125589	0.208815	3.14173	1		DG8S258	
0.564768	3.16E-15	55	4.98E-18	637	0.00156986	0.0115607 0.00144509	2.66622	1	0	DG8S258	
0.564768	3.16E-15	55	4.98E-18	637	0.00156986	0.00144509	0.331515 0.331515	1		DG8S258	
0.601723	1.40074	55	0.0272727	637	0.0196232	0.0202312	0.272405	1		DG8S258 DG8S258	
0.0243049	143973	55	0.00909017	637	6.37E-08	0.000722543	5.07274	1		DG8S258	
0.421668	0.8133	37	0.662162	549	0.706739	0.703925	0.645661	1		DG8S261	
0.421668	1.22956	37	0.337838	549	0.29326	0.296075	0.645661	1		DG8S261	
0.685216	0.75139	37	0.0270271	561	0.0356506	0.0351171	0.164313	1		DG8S262	
0.790829	0.93827	37	0.513513	561	0.529412	0.528428	0.0703492	1	0	DG8S262	
0.832714 0.646493	1.09169 1.13866	37 37	0.0945949	561	0.087344	0.0877926	0.0446145	1		DG8S262	
0.65731	0.732383	37	0.243243 0.027027	. 561 561	0.220143	0.221572	0.21035	1		DG8S262	
0.835834	1.10586	37	0.0675677	561	0.0365419 0.0614973	0.0359532 0.0618729	0.196808	1		DG8S262	
0.509432	1.70371	37	0.0270271	561	0.0160428	0.0316729	0.0429424	1		DG8S262	
0.474342	5.07E-11	37	1.81E-13	561	0.00356508	0.00334448	0.435233 0.511843	1		DG8S262 DG8S262	
0.234749	2.33E-11	37	2.30E-13	561	0.00980392	0.00919732	1.41185	1		DG8S262	
0.320699	1.25582	60	0.233333	751	0.195073	0.197904	0.986093			DG8S265	
	0.965833	60	0.55	751	0.558589	0.557953	0.0331966	1		DG8S265	
0.0864804	6.77E-12	60	8.67E-14	751	0.0126498	0.0117139	2.9387	1		DG8S265	
0.48687	0.845934	60	0.183333	751	0.20972		0.483436	1	12	DG8S265	
0.579128 0.600177	3.48E-12 1.40076	60 60	4.64E-15	751	0.00133156	0.00123305	0.307647	1		DG8S265	
0.612115	1.79472		0.025 0.00833334	751 751	0.017978 0.00466045	0.0184957	0.274729	1		DG8S265	
0.758941	0.938379	51	0.441177	615	0.456911	0.00493218 0.455708	0.257106	1		DG8S265	
0.375468	1.20102	51	0.480392	615	0.434959	0.438438	0.0941703 0.785488	1		DG8S266	
0.330063	0.701968	51	0.0784314	615	0.10813	0.105856	0.765466	1		DG8S266 DG8S266	
0.862197	0.966728	60	0.383333	741	0.391363	0.390762	0.0301294	1		DG8S269	
	0.881533	60	0.55	741	0.580972	0.578652	0.434526	1		DG8S269	
0.0357162	2.51045	60	0.0666665	741	0.0276653	0.0305868	4.41061	1		DG8S269	

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FIG. 7I. Results for Bipolar Disorder without Panic Disorder

FIG. 7I. Results for Bipolar Disorder without Panic Disorder										
				_						ار
p-val	•	#	aff.freq	5	con.freq	H0.freq	•	0	9	marker
		#aff	att	#con		£	Z	info	allele	Ę
0.173805		33	0.227273	567		0.3	1.84982	1		
0.217974	1.38912 0.674487	33 33	0.681818 0.0606061	567			1.51766	1		
0.0118431	17.6876	33	0.0303031	567 567			0.622426	1		
0.912134		58	0.00862072	674		0.00333333 0.00956284	6.3342 0.0121764	1		
0.94707	1.01449	58	0.275862	674			0.00440712	1		
0.0560169		58	0.37069	674			3.65156	1		
0.730644		58	0.0862067	674			0.118521	1		
0.0751519		58	0.172414	674			3.16675	1		
0.289543 0.940706	0.597743 1.05742	58 58	0.0344827 0.0172414	674			1.12175	1		
0.363148	4.45E-11	58	1.66E-13	674 674		0.0163934	0.00553268	1		
0.254078	2.21016	58	0.0258619	674			0.826977 1.30074	1		
0.45351	0.500945	58	0.0086207	674		0.0163934	0.561863	1		
0.22211	1.36E-13	58	9.13E-16	674	0.00667656	0.00614754	1.49069	1		
0.504084	1.15686	48	0.625	576	0.590278	0.592949	0.446328	1		
0.395359	0.820477	48	0.28125	576	0.322917	0.319712	0.722397	1		
0.664895 0.6726	1.18625 0.663154	48 48	0.0833334	576	0.0711805	0.0721154	0.187632	1	1 DG8S285	
0.356563	0.835858	61	0.0104166 0.565574	576 500	0.015625	0.0152244	0.178576	.1		
0.91169	0.975087	61	0.229508	500	0.609 0.234	0.604278 0.233512	0.849961	1		
0.0162732	1.91592	61	0.180328	500	0.103	0.111408	0.0123005 5.77312	1	4 DG8S291	
0.104377	0.36212	61	0.0163934	500	0.044		2.63735	1	2 DG8S291 -2 DG8S291	
0.844816	0.818186	61	0.00819676	500	0.01	0.00980392	0.038313	1		
0.83931	0.953758	47	0.702128	729	0.711934	0.71134	0.0411182	1	2 DG8S292	
0.83931	1.04849	47	0.297872	729	0.288066	0.28866	0.0411182	1	0 DG8S292	
0.403875 0.167267	0.81926 1.32613	54 54	0.212963	727	0.248281	0.245839	0.696758	1	12 DG8S297	
0.203843	0.504031	54	0.416667 0.0277779	727 727	0.350069	0.354673	1.90727	1	0 DG8S297	
0.564603	0.836642	54	0.111111	727	0.0536451 0.129986	0.0518566 0.128681	1.61463	1	14 DG8S297	
0.530464	0.650253	54	0.0185185	727	0.0281981	0.0275288	0.331796 0.393502	1 1	4 DG8S297 10 DG8S297	•
0.43227	1.25473	54	0.148148	727	0.121733	0.12356	0.616716	1	16 DG8S297	
0.0683897	1.50E-11	54	2.41E-13	727	0.0158184	0.0147247	3.32125	1	8 DG8S297	
0.561417	1.4551	54	0.0277778	727	0.0192572	0.0198464	0.337257	1	18 DG8S297	
0.0491363 0.389089	4.5873	54	0.0277778	727	0.00618982	0.00768246	3.87069	1	-4 DG8S297	
0.704978	0.459234 2.41E-11	54 54	0.00925929 1.66E-14	727 727	0.019945	0.0192061	0.741788	1	6 DG8S297	
0.255396	2.69E-11	54	1.68E-13	727	0.000687757 0.00618982	0.000640205	0.143345	1	2 DG8S297	
0.501664	0.852277	60	0.791667	726	0.816804	0.00576184 0.814885	1.29354 0.451414	1	-2 DG8S297	
0.48337	1.18478	60	0.2	726	0.174242	0.176209	0.49125	1	0 DG8S298 2 DG8S298	
0.94407	0.930186	60	0.00833332	726	0.00895317	0.00890585	0.0049217	1	1 DG8S298	
0.446864	1.21504	60	0.841667	602	0.813953	0.816465	0.578595	1	0 DG8S301	
0.446864	0.82302	60	0.158333	602	0.186047	0.183535	0.578595	1	1 DG8S301	
0.756783 0.798986	0.938942 1.05355	59 59	0.330508	666	0.344595	0.343448	0.0959195	1	26 DG8S302	
0.676336	0.881765	59	0.330509 0.110169	666 666	0.319069 0.123123	0.32	0.0648514	1	28 DG8S302	
0.354682	1,42403	59	0.0762711	666	0.0548048	0.122069 0.0565517	0.17428	1	24 DG8S302	
0.866434	0.956303	59	0.152542	666	0.158408	0.157931	0.856634 0.0282879	1	30 DG8S302 0 DG8S302	
0.716308	1.09245	50	0.77	756	0.753968	0.754963	0.132057	1	2 DG8S302	
0.511442	2.1717	50		756	0.00462963	0.00496278	0.431115	i	4 DG8S303	
0.634817		50	0.22	756	0.240741	0.239454	0.225585	1	-2 DG8S303	
0.720383	2.14E-12 0.825112	50	1.42E-15	756	0.000661376	0.000620347	0.128126	1	0 DG8S303	
0.403115	1.35581	27 27	0.666667 0.203704	315	0.707936	0.704678	0.398517	1	4 DG8S307	
0.631224	1.36652	27	0.203704	315 315	0.15873 0.0412698	0.162281	0.699016	1	0 DG8S307	
	0.788966	27	0.0740741	315	0.0920635	0.0423977 0.0906433	0.230404	1	8 DG8S307	
0.230715	0.785129	55	0.572727	689	0.630624	0.626344	0.206094 1.43645	1	-4 DG8S307 0 DG8S308	
0.859933	1.0476	55	0.172727	689	0.166183	0.166667	0.0311381	1	2 DG8S308	
								•		

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FIG. 7J. Results for Bipolar Disorder without Panic Disorder

FIG. 7J. Results for Bipolar Disorder without Panic Disorder										
		•			ba				<del></del>	
p-val		æ	aff.freq	E	con.freq	H0.freq		_	<u> </u>	marker
1 5	_	#aff	aff.	#con	. 5	<u>.</u>	2	info	allele	혈
0.342117	1.35534	55	0.118182	689	0.0899855	0.0920699	0.902483	<u>-=</u>	-14 DG8S308	_=_
0.158839	1.68961	55	0.0909091	689	0.0558781	0.0584677	1.98525	1	-4 DG8S308	
0.229603	2.04227	55	0.0363637	689	0.0181422	0.0194892	1.44332	1	4 DG8S308	
0.20954		55	0.00909089	689	0.0261248	0.0248656	1.5746	1	-6 DG8S308	
0.09531 0.233649	1.16E-15 2.20E-12	55 61	1.53E-17 1.34E-14	689	0.0130624	0.0120968	2.78232	1	-2 DG8S308	
0.90597	0.97619	61	0.311475	660 660	0.0060606 0.316667	0.00554785	1.41851	1	8 DG8S316	
0.917848		61	0.42623	660	0.431061	0.316227 0.430652	0.0139532	1	10 DG8S316	
0.492863		61	0.0901639	660	0.109848	0.108183	0.0106387 0.47027	1	0 DG8S316 12 DG8S316	
0.378811	1.28211	61	0.139344	660	0.112121	0.114424	0.774558	1	14 DG8S316	
0.334599	1.75593	61	0.0327868	660	0.0189394	0.020111	0.931016	1	16 DG8S316	
0.265328	3.41E-11	61	1.82E-13	660	0.00530303	0.00485437	1.24074	1	2 DG8S316	
0.427873 0.637181	0.807637	31	0.354839	606	0.405116	0.402669	0.628589	1	2 DG8S322	
0.188944	1.34977 1.4144	31 31	0.048387 0.451613	606	0.0363036	0.0368917	0.222449	1	10 DG8S322	
0.145344		31	0.0645162	606 606	0.367987 0.121287	0.372057	1.72584	1	0 DG8S322	
0.738106	1.17794	31	0.0806451	606	0.0693069	0.118524 0.0698587	2.12045 0.111799	1	4 DG8S322	
0.858146	1.0385	62	0.733871	700	0.726429	0.727034	0.0319461	1	6 DG8S322 0 DG8S323	
0.858146	0.96293	62	0.266129	700	0.273571	0.272966	0.0319461	1	5 DG8S323	
0.737494	0.93203	60	0.283333	695	0.297842	0.296689	0.112342	1	0 DG8S324	
0.891325	1.08814	60	0.025	695	0.0230216	0.0231788	0.018667	1	10 DG8S324	
0.451315	0.836462	60	0.191667	695	0.220863	0.218543	0.567348	1	8 DG8S324	
0.610258 0.784209	1.12657 1.08289	60 60	0.216667	695	0.197122	0.198675	0.259799	1	2 DG8S324	
0.949648	1.0328	60	0.125 0.125	695 695	0.116547	0.117219	0.0749874	1	6 DG8S324	
0.433781	1.56322	60	0.0333333	695	0.123022 0.0215827	0.123179 0.0225166	0.00398783	1	4 DG8S324	
0.424208	0.782798	56	0.107143	726	0.13292	0.131074	0.612678 0.638627	1	12 DG8S324	
0.776646	1.10954	56	0.0803571	726	0.0730028	0.0735294	0.0804817	1	-4 DG8S332 4 DG8S332	
0.374309	0.812204	56	0.214286	726	0.251377	0.248721	0.789309	1	2 DG8S332	
0.285306	1.26095	56	0.303571	726	0.256887	0.26023	1.14164	1	0 DG8S332	
0.605396	0.885167	56	0.214286	726	0.235537	0.234015	0.266934	1	-2 DG8S332	
0.504794 0.231896	1.3969 2.03133	56 56	0.0446429 0.0357142	726	0.0323691	0.0332481	0.444843	1	6 DG8S332	
0.542218	0.868101	51	0.0357142	726 539	0.0179063	0.0191816	1.4292	1	-6 DG8S332	
0.542218	1.15194	51	0.735294	539	0.293135 0.706865	0.290678 0.709322	0.371444	1	-5 DG8S333	
1	1	0	0.638728	173	0.638728	0.638728	0.371444	1	0 DG8S333 1 INVSNP	
1	1	0	0.361272	173	0.361272	0.361272	0	1	2 INVSNP	
0.178207	0.769592	61	0.352459	764	0.414267	0.409697	1.81251	i	1 SG08S100	
0.178207	1.29939	61	0.647541	764	0.585733	0.590303	1.81251	1	2 SG08S100	
0.0845721	0.706471	58	0.396551	387	0.481912	0.470787	2.97477	1	1 SG08S102	
0.0845721 0.637875	1.41548 0.908047	58 61	0.603448	387	0.518088	0.529213	2.97477	1	2 SG08S102	
0.637875	1.10127	61	0.647541 0.352459	390 390	0.669231	0.666297	0.221532	1	0 SG08S112	
0.527988	1.12903	60	0.583333	700	0.330769 0.553571	0.333703	0.221532	1	2 SG08S112	
	0.885714	60	0.416667	700	0.446429	0.555921 0.444079	0.398263 0.398263	1	0 SG08S120	
0.405963		60	0.708333	746	0.743298	0.740695	0.690592	1	2 SG08S120 0 SG08S138	
0.405963	1.19229	60	0.291667	746	0.256702	0.259305	0.690592	1	2 SG08S138	
	0.854262	34	0.82353	391	0.845269	0.843529	0.217346	1	1 SG08S139	
0.64107	1.1706	34	0.176471	391	0.154731	0.156471	0.217346	1	0 SG08S139	
0.866941 0.866941		61	0.557377	713	0.565217	0.564599	0.0280712	1	0 SG08S15	
0.168402	1.03235 1.29721	61 61	0.442623 0.516394	713	0.434783	0.435401	0.0280712	1	2 SG08S15	
0.168402		61	0.516394	701 701	0.451498 0.548502	0.456693	1.89711	1	0 SG08S26	
0.145968	1.3272	61	0.516393	397	0.445844	0.543307 · 0.45524	1.89711 2.11388	1	2 SG08S26	
0.145968		61	0.483607	397	0.554156	0.54476	2.11388	1	2 SG08S27 1 SG08S27	
0.223599	0.782321	58	0.560345	397	0.619647	0.612088	1.48112	1	1 SG08S27	
0.223599	1.27825	58	0.439655	397	0.380353	0.387912	1.48112	i	0 SG08S32	
0.308774	1.22057	61	0.639344	618	0.592233	0.596465	1.03591	1	1 SG08S35	

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FIG. 7K.	Results for	Bipolar	Disorder without Panic Disorder	

rig. /k. i	The state of the s									
=			aff.freq	_	con.freq	H0.freq			Δ.	급
p-val		#aff	7.	#con	Ë	4		.0	allele ::	marker
	0.040000	<u>#</u>	<u> </u>	<u>_#</u> _		프 모	×	info	Ē	
0.308774			0.360656		0.407767	0.403535	1.03591	1	2 SG08S35	
0.518451 0.518451			0.467213	523	0.498088	0.494863	0.416973	1	1 SG08S39	
0.533866			0.532787	523	0.501912	0.505137	0.416973	1	0 SG08S39	
0.533866		59 59	0.415254	689	0.386067	0.388369	0.387027	1	0 SG08S42	
0.654111			0.584746	689	0.613933	0.611631	0.387027	1	2 SG08S42	
0.654111			0.114754	610	0.101639	0.102832	0.200756	1	1 SG08S46	
0.034111			0.885246	610	0.898361	0.897168	0.200756	1	3 SG08S46	
0.189			0.542373	743	0.604307	0.599751	1.72539	1	0 SG08S5	
0.565554			0.457627	743	0.395693	0.400249	1.72539	1	2 SG08S5	
0.565554		59	0.466102 0.533898	685	0.438686	0.44086	0.330178	1	2 SG08S50	
0.069287		57		685	0.561314	0.55914	0.330178	1	0 SG08S50	
0.069287			0.456141 0.54386	381	- 0.547244	0.535388	3.29983	1	0 SG08S506	
0.16987				381	0.452756	0.464612	3.29983	1	2 SG08S506	
0.16987	1.33333		0.3 0.7	396	0.363636	0.355263	1.88409	1	2 SG08S507	
0.276852		58	0.387931	396	0.636364	0.644737	1.88409	1	3 SG08S507	
0.276852		58	0.612069	392 392	0.441326	0.434444	1.18248	1	1 SG08S508	
0.463684	1.20429	58	0.818965	371	0.558674	0.565556	1.18248	1	3 SG08S508	
0.463684		58	0.181035	371	0.789757	0.793706	0.536987	1	1 SG08S510	
0.897524	1.02652	58	0.413793	362	0.210243	0.206294	0.536987	1	0 SG08S510	
0.897524		58	0.586207	362	0.407459	. 0.408333	0.0165867	1	1 SG08S511	
0.538636	1.1332	57	0.565207	388	0.592541	0.591667	0.0165867	1	3 SG08S511	
0.538636		57	0.429825	388	0.399484	0.403371	0.378074	1	2 SG08S512	
0.276978	0.807854	61	0.570175	392	0.600516	0.596629	0.378074	1	1 SG08S512	
0.276978	1.23785	61	0.581967	392	0.470663	0.463576	1.18186	1	1 SG08S517	
0.246826	1.25791	61	0.614754	397	0.529337	0.536424	1.18186	1	3 SG08S517	
0.246826		61	0.385246	397	0.559194 0.440806	0.566594	1.34118	1	1 SG08S520	
0.998424	0.999561	59	0.728813	391		0.433406	1.34118	1	0 SG08S520	
0.998424	1.00044	59	0.271187	391	0.7289 0.2711	0.728889	3.90E-06	1	2 SG08S6	
	0.775536	59	0.440678	380	0.503947	0.271111	3.90E-06	1	0 SG08S6	
0.200406	1.28943	59	0.559322	380	0.496053	0.495444	1.63941	1	1 SG08S70	
0.0732312	1.40539	61	0.590164	740	0.506081	0.504556 0.512484	1.63941	1	3 SG08S70	
0.0732312	0.711544	61	0.409836	740	0.493919	0.312464	3.20907	1	0 SG08S71	
0.252356	0.7983	60	0.458333	378	0.51455	0.467516	3.20907	1	2 SG08S71	
0.252356	1.25266	60	0.541667	378	0.48545	0.500049	1.31021	1	3 SG08S73	
0.830216	0.958777	60	0.466667	394	0.477157	0.475771	1.31021 0.0459779	1	1 SG08S73	
0.830216	1.043	60	0.533333	394	0.522843	0.524229		1	1 SG08S76	
0.781553	1.0559	60	0.525	394	0.511421	0.513216	0.0459779 0.0768933	1	2 SG08S76	\
0.781553	0.947063	60	0.475	394	0.488579	0.486784	0.0768933	1	0 SG08S90	,
0.234935	0.760584	62	0.774194	705	0.81844	0.814863	1.41073	1	1 SG08S90	
0.234935	1.31478	62	0.225806	705	0.18156	0.185137	1.41073	1	1 SG08S93	
0.402568	0.83199	56	0.294643	362	0.334254	0.328947	0.700643	1	2 SG08S93	
0.402568	1.20194	56	0.705357	362	0.665746	0.671053	0.700643		0 SG08S94	
0.124832	1.34391	60	0.483333	586	0.41041	0.417183	2.35562	1	2 SG08S94	
0.124832	0.744099	60	0.516667	586	0.58959	0.582817	2.35562	1	2 SG08S95	
0.965393	1.00838	61	0.581967	613	0.579935	0.580119	0.00188245		3 SG08S95	
0.965393	0.991686	61	0.418033	613	0.420065	0.419881	0.00188245	1	2 SG08S96	
0.500983	0.81986	61	0.877049	713	0.896914	0.895349	0.452853	1	3 SG08S96	
0.500983	1.21972	61	0.122951	713	0.103086	0.104651	0.452853	1	0 SG08S97	
				•		-1107001	0.702003	•	1 SG08S97	

	Marker	Position In	bases according to Build 33
C08	AF287957-1	6609501	<u>-</u>
C08	DG8S285	6717625	
C08	DG8S316	7996504	•
C08	DG8S201	8078430	
C08	DG8S307	8079177	
C08	DG8S332	8133961	
C08	DG8S322	8166275	
C08	DG8S324	8238280	
C08	DG8S258	8335265	
C08	DG8S265	8335265	
	DG8S303	8377219	
	DG8S269	8547384	
	DG8S232	8602797	·
	DG8S249	8612390	
	DG8S298	8623920	
C08	D8S351	8647934	
C08	D8S1825	8795901	FIG. 8 <i>A</i>
C08	SG08S138	8799779	
C08	SG08S6	8801073	
C08	DG00AAHBI	8889014	
C08	D8S1469	8960671	
C08	DG00AAHBH	9035511	
C08	D8S503	9104198	
C08	DG00AAHBG	9132391	
C08	DG8S277	.9205638	
C08	DG8S297	9226230	
C08	D8S516	9280975	
C08	DG8S177	9315167	•
C08	DG8S137	9503869	1
C08	DG8S182	9516392	•
	DG8S262	9560368	
	DG8S136	9647411	
	DG8S179	9697364	
	DG8S134	9774278	
	SG08S93	9794410	
	SG08S112	9804270	
	DG8S138	9815189	
	SG08S15	9851027	
	DG8S128	9943010	
	SG08S100	9961132	
	SG08S39	9971559	
	D8S1721	10011582	
	D8S542	10028442	
	DG8S302	10062565	
	DG8S257	10128880	
	SG08S120	10154461	
	DG8S266 DG8S238	10161672	
		10223621 10259523	
	DG8\$323 DG8\$155	10259523	
	DG8S155 DG8S291	10297139	
	D8S5291	10313503	
	SG08S506	10427394	
	SG08S42	1049267	
C08		10574468	
-00		10001000	•

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C08	DG8S148	10609020
C08		10624569
C08		10625200
C08	DG8S215	10641313
C08	DG8S159	10704990
C08	DG8S212	10726663
C08		10752550
C08		
		10763565
C08		10810525
C08		10829574
C08	SG08S5	10857894
C08	SG08S102	10865779
C08	AF131215-1	10872575
C08		10881766
C08		10881783
C08		10885941
C08	•	10887924
C08	SG08S517	10893214
C08	AF131215-4	10912771
C08	SG08S508	10914173
C08		10914271
C08		10923128
C08		10925492
C08	DG8S127	10926764
C08	SG08S520	10931667
C08	DG8S153	10938731
C08	SG08S510	10990033
C08		11023805
C08	SG08S90	
		11028406
C08	SG08S32	11048161
C08	DG8S156	11054915
C08	DG8S147	11071336
C08	SG08S511	11077298
C08	SG08S512	11077399
C08		11086652
C08		11090369
C08		
		11150773
C08		11220756
C08		11234300
C08		11239181
C08	SG08S35	11253693
C08	SG08S139	11282021
C08	DG8S170	11287781
C08	DG8S261	11303006
C08	D8S1759	11348674
C08	DG8S117	11350993
C08	AC022239-5	11355629
C08	DG8S181	11390001
C08	SG08S97	11410417
C08	DG8S163	11458431
C08	DG8S221	11473774
C08	SG08S76	11477186
C08	DG8S292	11509365
C08	DG8S333	11607597
C08	D8S1130	11704969
C08	AC068974-2	11824194

FIG. 8B

		36/90
C08 AC068974-2	11974598	
C08 DG8S250	12427095	
C08 AF188029-1	12517357	•
C08 AF188029-7	12558445	
C08 AF188029-10	12572944	
C08 AF188029-12	12583159	
C08 DG8S301	12612075	
C08 DG8S308	12617557	
C08 DG8S188	12654843	
C08 DG8S245	12665541	
C08 DG8S192	12759031	FIG. 8C

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							•	71170			
#name	chrom	strand	txStart	ixEnd	cdsStart	odsEnd	exonCou nt	exonStarts	exonEnds	proteinID	aligniD
AF355799	chr8	•	7004812	7007356	7005040	7005887		7004812,7005734,700 293,	7005058,7006921,700 358,	7 Q8TEZ3	19512
NM_0040 84	chr8	:	7014400	7016826	7014521	7015386	3	7014400,7015211,7016 757,	7014831,7015398,701 825,	B DEFN_H	dna68
AF355799	chr8	•	7023915	7028459	7024143	7024990	3	7023915,7024837,7026 396,	7024161,7025024,702 459,		19511
вС02791 7	chr8	-	7033503	7035918	7033824	7034485	3	7033503,7034310,7036	7033734,7034497,703 916,	DEFN_H	3745
NM_0052	chr8	•	7033507	7035929	7033624	7034486	3	7033507,7034310,7038	7033734,7034497,703 929,		dna68
NM_0210 10	chr8	•	7072941	7074372	7073065	7074332	2	7072941,7074160,	7073178,7074372,	DEF5_HU MAN	dna69
AK09041	chr8	•	7278254	7283114	7282743	7283114	1	7278254,	7283114,	Q8NF61	17680
AK09041	chr8	•	7285878	7290738	7290385	7290738	1	7285876,	7290736,	Q8NF81	17579
AK09041 8	chr8	-	7293498	-7298358	7297987	7298358	1	7293498,	7298368,	Q8NF81	17582
AK09041	chr8	-	7301120	7305980	7305609	7305980	1	7301120,	7305980,	Q8NF61	17583
8 AK09041	chr8	•	7308742	7313602	7313231	7313602	1	7308742,	7313602,	Q8NF61	17581
a AF301470	chr8	-	7446603	7447983	7446618	7447765	2	7448603,7447707,	7446764,7447983,	D103_HU MAN	3648
AF168616	chr8	-	7468250	7481306	7488513	7481138		7488250,7488758,7480 341,7481077,	7488535,7468834,7480 494,7481305,		38437
AJ314834	chr8	•	7487938	7492717	7487990	7492703		7487938,7492645,	7488151,7492717,	D104_HU MAN	3649
AJ314834	chr8	•	7555027	7569803	7585041	7569751	2	7565027,7569590,	7565099,7569803,	D104_HU MAN	3650
AF301470	chr8	+	7609760	7611140	7609978	7611125	2	7609760,7610979,	7610036,7611140,	D103_HU MAN	3847
Z71389	chr8	+ ,	7623248	7625268	7623269	7625167	2	7623246,7625030,	7623327,7625268,	BD02_HU	2333
U87595 AF217970		+ +	7929832 7968927	7930426 7973420	7929832 7969257	7930426 7969701		7929832, 7988927,7972655,	7930426, 7970989,7973420,	O15314 Q9HBS9	7294 31542
AL833872		•	8048292	8056878	8046710	8058876		8046292,8056260,	8047853,8056876,	Q8N3N5	13675
BC01604	chr8	+	8431012	8432652	8431012	8431822	1	8431012,	8432652,	Q96B33	21598
7 BC01422	chr8		8514282	B620457	8514568	8620457	3 :	8514282,8525909,8618	8514800,8526038,8620	Q96CID	22028
6 AB01881	chr8		8514568	8521603	8514568	8621603		805, 8514668,8526909,8618	457, 8514600,8526036,8821	Q9Y4C4	37002
6 AL137679	chr8	+	8731388	8761883	8746898	8758579		805, 8731388,8736514,8740	603, 8731716,8736693,8740	Q9NSX3	32471
								086,8744866,8746841, 3748894,8758338,8761 093,	297,8744950,8748951, 8749009,8768626,8761 883,		
BC03527 9	chr8	+	8731484	8759524	8731608	8758579	7 8	3731484,8736514,8740 086,8744866,8746841,	8731716,8736693,8740 297,8744950,8746961,	Q8IV48	11048
AK02406	chr8 -		8866640	8879241	8869338	8870196		3748894,8758338, 3868540,8879107,	8749009,8759524, 8870213,8879241,	Q9H812	30600
AF082557	chr8 ·	•	9308729	9510891	9308729	e505281	4 9 9 4 9 1 1 9	195,9409268,9433207, 4434731,9435355,9438 115,9438499,9438688, 1448818,9455185,9459 134,9461823,9483409, 1463921,9476568,9480 53,9481088,9490060, 491681,9493250,9494	037,9438591,9438765, 9449090,9455265,9469 580,9461989,9463629, 9464031,9476757,9480 391,9461171,9490181,		39059
AJ242973 0	chr8 +	٠	9782860	10157287	9783061	10166857	6 9 6	782860,9938377,8973 48,10030078,1004842	9510991, 9783203,9936448,9973 768,10030183,1004853 4,10157287,	MSRA_H UMAN	6395
AY16834 G	:hr8 -	•	10334893	10383847	10335439	10351746	4 1	0334893,10344990,10	10341891,10345132,10 351785,10383647,	Q8IWN7	11558
AK05555 0	:hr8 -	•	19453281	10459057	10454282	10458978	2 1	0453281,10458740,		SOX7_HU MAN	38397
AK00057 0	thr8 -		10493703	10568416	10493945	10568301	5 1 8	54696,10560209,1056 438,10563210,105682 2,	18.	AN T	9150
BC02414 0	:hr8 -		10624663	10731028	10628496	10653302	3 1	0624663,10653178,10	,0627461,10653375,10 ( 731026,	Q8TBA0	18467
AJ305312 0	:hr8 -		10838335	10838271	10836720	10837011	1.1	0836336,	10838271,	84WWB	20435

							38/90	
AJ312027	chr8		10851925	10854609	10852331	10862637	2 10851925,10854302, 10853381,10854609, Q8TCU8	18953
AJ312026			10855014	10858780	10857345	10857588	2 10855014,10857203, 10855616,10855780, QBTCU9	18954
AJ307469		_	10865446	10867152	10866041	10866326	1 10885446, 10867152, Q8WWP5	20432
AJ301560		_	10923010	10929883	10923665	10929883	2 10923010,10929119; 10923785,10929883, Q96KT3	24395
AJ301561			10976189	10996409	10978169	10976257	2 10976169,10996332, 10976333,10998409, Q96KT2	24394
AJ291676			11012043	11013612	11012551	11012914	1 11012043, 11013612, Q96KT6	24398
AJ297823		+	11013350	11056681	11013432	11051332	10 11013350,11023737,11 11013614,11023846,11 Q98QG7	25632
70201020						•	028666,11033384,1103 028892,11033558,1103 4733,11038070,110434 4951,11038232,110436 66,11045216,11048230 08,11045437,11048382 ,11055168, ,11056881,	
AL080178	chr8	+ '	11045418	11053063	11045418	11051332	3 11045418,11048230,11 11045437,11048382,11 Q9Y4N6 051168, 053063,	37070
AJ291677	chr8	+	11059529	11080730	11059650	11060667	1 11059529, 11080730, Q88KT7	24397
AJ301562	chr8	+	11068180	11096998	11068221	11093347	9 11068180,11084648,11 11068263,11084835,11 Q96KT1 086679,11087767,1108 086722,11087828,1109 9928,11090178,110932 0079,11080351,110935 63,11094126,11096822 33,11094332,11096998	24393
AK05776 (	chr8	•	11076188	11094632	11084663	11093347	8 11076188,11083812,11 11076249,11083722,11 Q96LV6 084848,11086679,1108 084836,11088722,1108 7767,11090178,110932 7828,11090351,110935 63,11094126, 33,11094632,	24652
AY10118 (	chr8	+	11084663	11094266	11084663	11093347	7 11084863,11086879,11 11084835,11086722,11 Q8IZJ8 087757,11089929,1109 087828,11090079,1109 0178,11083263,110841 0351,11093533,110842	12514
AY10118 (	chr8	+	11084683	11094266	11084663	11091466	7 11084663,11086679,11 11084836,11086722,11 Q8IZJ5 087757,11090178,1109 087828,11090351,1109 1451,11093263,110941 1517,11083533,110942	12513
AJ301563	chr8	+	11098945	11167201	11163609	11167086	26, 7 11098945,11112356,11 11098996,11112545,11 Q98KTO 120809,11162463,1116 129709,11162679,1116 3373,11166683,111669 3646,11166754,111672	24392
AL834122	chrB		11150008	111,95288	11152918	11172956	79, 3 11150006,11172574,11 11153180,11173352,11 CH13_HU 196169, 195288, MAN	3027
S76617 (	chr8	•	11222543	11293142	11271767	11292651	13 11222543,11271766,11 11223134,11271860,11 BLK_HU 274594,11278574,1127 274846,11276668,1127 MAN 7686,11228701,112832 7665,11278605,112834 85,1128874,11285200 32,11284027,11285380 ,11286504,11289844, 11286581,11289995,1 1291621,11292445, 1291683,11293142,	2373
AJ291678	chr8	+	11305077	11309884	11309412	11309691	3 11305077,11308912,11 11305880,11307184,11 Q98KT6 309012, 309884,	24396
AF318320	chr8	+	11436561	11439084	11436855	11437479	1 11436561, 11439084, Q8WYX6	20868
L34357	chr8	+	11436615	11487674	11436855	11487018	6 11436615,11477461,11 11437471,11477628,11 GAT4_HU 478663,11483688,1148 478779,11483876,1148 MAN 5477,11486836, 5826,11487674,	4597
AK05553 4	chr8	+	11489798	11491768	11489956	11490649	1 11489798, 11491768, Q98NF6	25169
AK09738 (	chr8	+	11498251	11515888	11508185	11514816	4 11498251,11508140,11 11498334,11508493,11 Q8N842 511746,11514505, 611942,11515888,	15149
AK05620 (	chr8	+	11498290	11515888	11499990	11514816	6 11498290,11499988,11 11498878,11500128,11 Q959S2 50B140,11611745,1151 508493,11511942,1151	21234
X69141 (	chr8	+	11531288	11567841	11531375	11567152	4505, 588, 8 11531288,11537338,11 11531474,11537434,11 FDFT_HU 538209,11550282,1155 58839,11550421,1155 MAN 4586,11558786,115600 4758,11568963,115602	4319
BC01024 0	chr8	-	11572868	11596622	11573667	11581997	60,1168830, 31,11567841, 111572868,11574203, 11 11573765,11574332,11 CATB_HU 575594,11576221,1157 575711,11576365,1157 MAN 6609,11577588,115794 6605,11577707,115795 08,11581152,11581032,11582022 4158209 4158208 415	2738
Y18460	chr8	-	11574222	11579423	11574222	11579423	,11692018,11696643, 11693006,11696022, 7 11674222,11576594,11 1157432,11676711,11 CAA7717 576221,11576609,1157 676365,11576696,1157 8 7588,11677656,115794 7650,11577707,116794 08, 23,	2565
AK09125 0	chr8	+	11742884	11746017	11743049	11744126	1 11742684, 11748017, Q8N249	13168
AK09813 6	chr8	-	12057113	12059056	12060419	12069044	7 12057113,12058189,12 12058085,12058690,12 Q8N7N1 060357,12061681,1206 060507,12061815,1206 4762,12066752,120689 4863,12066815,120690 48.	14992
BC00798 9	chr8	•	12067126	12068656	12057828	12057981	8 12067125,12058137,12 12058085,120586690,12 Q86HX9 060357,12061333,1206 060567,12061659,1206 1681,12064782,120667 1815,12084863,120668 52,12088553, 15,12088559,	23595
AK09441 1	chr8	+	12197852	12199613	12197857	12198316	52,1206555, 2 12197852,12198352, 12198324,12199613, Q8N9J4	1 5842

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							27120			
AK09254	chr8	+	12211006	12213990	12211155	12211554	1 12211008,	12213990,	<b>ELANSD</b>	16005
4 AK07432 9	chr8 .	-	12354606	12369463	12355798	12369406		12355955,12358580,12 381764,12362033,1236 4558,12368101,123694		19288
BC00453	chr8	-	12354608	12361920	12355798	12361920	01, 4 12354608,12358427,12 361601,12381874,	63, 12365955,12358580,12 361764,12361920,	Q98SV1	26939

FIG. 9A3

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						40/3	70	•			
#name	chrom	strand	txStart	txEnd	cdsStart	cdsEnd	exonCount	exonStarts	exonEnds	proteinID	alignID
AB002292	chr8		1922721	2057379	1922721	2056009		,1956705,195864 2,1963118,19652 71,1967939,1975 316,1978793,198 1380,1984346,19 92314,1993138,1 995078,1997178, 2002028,2004318	1822859,1842182,195681 1,1958930,1963182,1965 348,1967998,1976480,19 76910,1981495,1984453, 1992392,1993318,199515 5,1997271,2002197,2004 462,2008216,2021825,20 22341,2022620,2024150, 2025209,2027396,202816 9,2032688,2044401,2051 573,2057379,	3	7189
BC040474	chr8	+	1957500	2002856	1985341	2002251	13	,1963115,196527 1,1967939,19753 16,1981380,1984	1957562,1958930,196318 2,1965348,1967996,1975 480,1981495,1984453,19 92392,1993318,1995195, 1997271,2002856,	Q8IWD9	11475 ;
BC036809	chr8	•#	1974796	2026259	1975308	2025284		,1984346,199231 4,1993138,19950 78,1997178,2002	1875480, 1981495, 198445 3,1992392,1993318,1995 1985, 1997271,2002197,20 04482,2008218,2021826, 2022341,2022620,202415 0,2026259,		12062
AF009205	chr8	+	1981401	2057387	1981401	2056009		,1992314,199313 8,1995078,19971 78,2002026,2004 316,2008040,202 1709,2022213,20	1981495, 1984453, 199239 2, 1993318, 1995195, 1997 271, 2002197, 2004462, 20 08218, 2021825, 2022341, 2022620, 2024150, 202739 6, 2028189, 2032888, 2044 401, 2051573, 2057387,	O14665	7078
AB018254	chr8	+	2072623	2105682	2099938	2101810	2	2072623,2099030	2072681,2105682,	Y711_HU	39892
X69089	ств	•	2143827 *	2243960	2149480	2243485		,2150855,215604 6,2158320,21578 53,2167976,2168 145,2171004,217 1898,2174800,21 77394,2178220,2 183974,2158241 2190753,2192378 6,2199245,22010 38,2204611,2204	2143863,2149567,215101 1,2156184,2156476,2157 948,2168065,2168196,21 711589,2172160,2174942, 2177594,2178274,218410 2,2185594,2190928,2192 488,2194584,2197833,21 99424,2201151,2204768, 2204967,2207201,220790 2,2214476,2214649,2216 321,2221818,2222095,22 22670,2227800,2235389, 2239860,2240902,224196 0,2243960,		6485
BC030605	chr8	•	2597655	2631033	2612570	2631033			2598920,2603374,260437 5,2612601,2631033,	QBNCP1	16734

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AF333704	chr8 -	2946200	5002909	2946686	5002519	70 2946200,2950573 2946846,2950708,295748 QB6RM4 ,2957400,295833 8,2958445,2959377,2962 2,2959215,29623 370,2963870,2965909,29 25,2963890,2965 69316,297741,2971497, 797,2969242,297 2974056,2974848,298140 0567,2971323,29 1,2982726,2988902,3006 73879,2974671,2 268,3008233,3026752,30 681218,2982552, 37915,3006749,3095387, 2986713,3008112 3098764,3105139,311474 ,3008059,302657 8,3097420,300812 399764,3105139,311474 ,3008059,302657 8,3095189,3099 617,3104950,311 4629,3115819,31 16704,3118259,3 216500,3150566, 3159316,316509,319711 3,316290,3150566, 3170280,316921 1,3195970,31989 69,3198013,3207 615,3206713,321 89316,3209713,321 89316,3209713,321 89316,3209713,321 89316529,331660 3,370280,318921 1,3195970,31989 69,3198013,3207 642,3375349,3377472,33 95784,3404483,3407631 3315796,331541 43223,3418327,341770 8,3476927,3501829,3583 169,3594368,362490,37 3492,3414128,34 16000,3417524,3 476814,3501725, 3583047,3504298 1,5002909 1,3292049,351651 8,3782034,0000	25768
AY017307	chr8 ·	2946200	5002804	2946688	5002518	6,3762032,40060 05,4040007,4428 67 2946200,2950573 2957400,295633 29265445,2959377,2962 2,2959215,29623 370,2963870,2965909,29 25,2963280,2895 69316,2970741,2871497, 797,2989242,297 2981401,2982726,298690 0567,2971323,29 2,3006263,3037420 316500,3114629,3309519 3,3096613,309519 3,3106063,309519 3,3126693,3150776,3159 8,3099617,31049 615,316608,3150776,3159 8,3099617,31049 615,316608,3170379,31 50,3114629,3115 819,3116704,311 319,2116704,311 319,2116704,311 319,2116704,311 319,2117,3207911,320962 8259,3126500,31 7,3213722,3222793,3227 60566,3159498,3 44,3231696,3233316605, 3169211,3195970 3361552,3356263,336744 3189211,3195970 3361552,3352623,336744 3189989,319802 4,3375183,337736 589,327356,323 764,3404483,3407631,34 13,213605,2222 406803,336746 594,3762145,4006213,40 316413,3351395, 4022,4428168,4645661, 3356093,3387263 594,3762145,4006213,40 4428055,46454 44,5002434.	25714
AB067477	chr8 -	3159348	3375351	3159480	3375351	1,3170280,318921 9,3189318,3198087,3197 11,3195970,31891 113,31982177,3207911,32 88,31980171,320 08827,321872,3222793, 815,32027183,321 3605,3222598,32 38,3202448,3315923,3318 805,3351652,3356293,33 238141,3202245, 67442,3375351, 3316796,3316413 ,3351365,335609 3,3367253,33751 33,	25558
BC030702	chr8 +	6414658	6454889	6439652	6453657	9 8414658,8414703 8414685,8414791,841747 Q8NEMO 1,8417380,842288 2,8422985,6438888,6444 6,8439690,84441 264,6447198,6450258,64 49,6447054,6450 54889, 168,6452494,	17402

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AK022909	chr8	+	6439652	6652387	6439652	6651 <b>151</b>		08031,6629793,6651398,		30909
AF004327	chr8	•	6510773.	6708927	651 1202	6571038	11 6510773,8517033 ,6521779,652277 8,6527986,85292 79,6535658,6540 433,6570748,668 8911,8708914,	512,6535778,6540589,65	UMAÑ	1689
AF218015	chr8	-	6510819	6571118	6511202	6529325	9 6510819,6517033 ,6521779,652277 8,6527965,65292 79,6535658,6540 433,6570748,	512,6535778,6540589,65	Q9HBP3	31507
AJ289780	chr8	-	6540527	6540683	6540527	6540565	1 6540527.	6640683.	Q9H4C1	29562
AJ289781	chr8	• .	6570748	6571511	6570748	6571036	1 6570748.	6571511,	Q9H4C0	29581
AK057771	chr8	•	6623705	6625300	6624765	6625248	1 6823705.	6825300.	Q96LV3	24849
AL136587	chr8	+	6716768	6767767	6716770	6765490		6716989,6733041,673892 8,6740752,8749853,8755	PLCE_H	9192
X92744	chr8	•	6888489	6895811	6888577	6895744	2 6888489,6895683	6888723,6895814,	BD01_HU MAN	2331
M98331	chr8	•	6942379	6943735	6942500	6943717	2 6942379,6943524	6942810,6943735,	DEF6_HU	3743
X65977	chrB	-	6953503	6955945	6953700	6954580	3 6953503,6954408 ,6955908,	6953822,6954592,695594 5,	DEF4_HU MAN	3742
BC027917	chrB	•	6995290	6997714	6995,411	6996278	3 6995290,6998101 ,6997654,	6995521,6996288,699771 4,	DEFN_H UMAN	3748
NM_005217	chr8	-	6995294	6997727	6995411	6996276		6995521,6996288,699772 7.	DEFN_H	dna67

FIG. 9B3

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#name	chrom	strend	byStart :	txEnd	odoStad	ad-Pad					
AK094299		+	12584056	12840371		cdsEnd		exonStarts	exonEnds	•	alignID
741004255			,200,400	1204007	12584805	12623648	4	1 12584056,12 584763,1262 3534,126389 02,	12585059,	Q8N9K7	15665
BC016833	chr8	+	12639326	12656738	12845491	12654745	3	12639326,12 645384,1265 3708,	12639344, 12645558, 12656738,	Q96AW6	21542
AB040889	chr8	+	12644964	12658866	12645329 (	12654745	2	12644964,12 653708,	12645558, 12658866,	Q9P272	34672
AB051510 \	chr8	•	12716063	13147507	12718511	13132850		12716063,12 718990,1272 1187,127229 52,12724018 12725312,12 727459,1272 7284,127310 99,12732047, 12735490,12 43442,1274 8286,129379 69,13026253, 13034170,13 131749,1314 7302,	12719164, 12721405, 12723171, 12724133, 12725528, 12727658, 12727948, 12731278, 12733471, 12735554, 12743524, 12748358,	RHG7_HU MAN	37623
AK024773	chr8	-	12847258	13147468	12847326	13132772		12847258,12 937969,1302 6253,130341 70,13131749, 13147302,	12938003, 13026394,	Q9H7A2	30261
BC031245	chr8	+ .	13199595	13200984	13199892	13200652	1	13199595,	13200984, 0	Q96LL4	24566
AK058156	chr8	+	13200164	13200988	13200232	13200652	1	13200164,	13200988, (	<b>396LJ9</b>	24551
AY028700	chr8	-	13722584	14187627	13723143	14187627	1	13722564,13 735078,1374 0863,137972 80,13870292, 13956803,14 187432,	13735200, 13740936, 13797403,	<b>2</b> 96 <b>L</b> D1	24519
BC010370	chr8	<b>+</b>	15172923	15397187	15173131	15396919			15255950, 15283515, 15292348, 15294997, 15306537, 16363430,	<b>396F</b> ₩ <b>0</b>	22983
U42349 •	chr8		15172983	15396995	15173131	16390510	3 3 6	•	15255950, A 15283515, 15292348, 15294997, 15306537, 15363430,		6508

FIG. 9C1

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D90187 chr8		15742159	15825340	15742785	15810689	10 15742159,15 753118,1577 6258,157829 31,157876 15796765,16 801158,1680 7887,158105 88,15825298	, 15783012, 15787845, 15786952, 15801571,	6396
AF03735 <u>1</u> chr8	•	15742785	15810689	15742785	15810689	8 15742785,15 776258,1578 2931,157877 64,15796765, 15801158,16 807887,1581 0586,	15783012, , 15787845, 15796952,	7691
AB044277 chr8	•	16659728	16669069	16659975	16668936	3 16659728,18 662558,1668 8650,	16660221, FGFK_HU 16662662, MAN 16669069,	4345
BC032868 chr8	•	16694192	16789537	16694192	16785679 	15 16694192,16 730987,1673 6591,18744 88,16748598, 18762139,16 763887,167 7449,167653 61,16771294, 18772316,16 780998,1678 3346,187856 10,16787191,	16738623, 16744765, 16748844, 167652222, 16753939, 16797488, 16795457, 16771395, 16772488,	12338
BC039253 chr8	•	16623425	16889636	16823627	16894116	851692,1685 3234,168624 07,16864485, 16865284,16 872558,1687 4863,168768 35,16877291, 16882140,16 884075,1688 7159,	16882528, 16884555, 16865317, 16872679, 16874998, 16876962,	39908
BC007315 chr8	•	16896131	16913744	16897623	16912056	899356,1690 1619,169041 15,16909895, 16911939,16 913578,	16901784, 16904277,	23830
L46722 chr8	•	16897449	16913669	16897623	16911987	899330,1690 1619,169041 15,16909895, 16911939,16 913592,	16904277,	3229

FIG. 9C2

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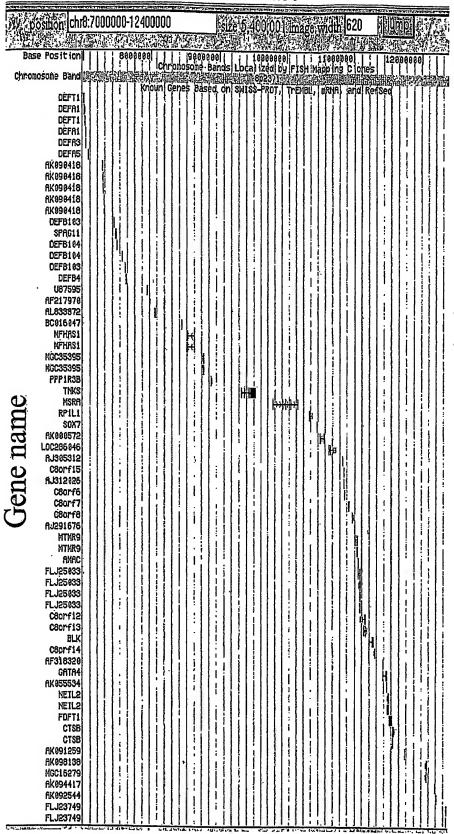
					43/70			
AK057204 chr8	•	16913874	16982482	16914148	16953331	12 16913874,16 932810,1693 5161,169357 59,16941636, 16943300,16 946931,1694 7142,169472 78,16951376, 16953250,16 961890,	16935276, 16935860, 16941862, 16943371, 16947059, 16947201,	22334
AL834189 chr8	•	16913997	16964477	16914148	1694175D ,		16935276, 16935860, 16938967, 16941862, 16943371, 16947059,	13580
BC022383 chr8	+	1694171 <b>1</b>	16962484	16943327	16953331	8 16941711,18 943300,1694 6931,169471 42,16947278, 16951376,16 953250,1696 1890,	16947059, 16947201, 16947347,	18587
AF073482 chr8	-	16968557	17015951	16969009	17015981		16976230, 16978540, 16980305,	6429
U76368 chr8	•	17205708	17231969	17210251	17231953	12 17205708,17 210229,1721 1359,172155 89,17217211, 17218674,17 221770,1722 5119,172271 52,17228788, 17230409,17 231756,	17211515, 17215755, 17217345, 17218897, 17221907, 17225222,	7280
D29990 chr8	•	17210251	17231953	17210251	17231953		.17217345, 17218897, 17221524, 17225222,	3519
U76389 chr8	•	17218848	17227280	17218848	17227260	4 17218848,17 221384,1722 5119,172271 52,		7281

FIG. 9C3

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D37965	chr8		17244009	17309927	17244070	17309814	6 17244009,17 258260,1728 7863,172952 99,17300888, 17309425,	17288015	10168
AF121259	chr8		17310606	17364190	17312738	17364190	10 17310608,17 313794,1731 6658,173199 98,17320237 17321373,17 322675,173 1998,173511 40,17384059,	17316775, 17320094, 17320311, 17321479, 17322878,	19616
AB033114	t chr8	-	17310816	17422546	17312738	17422546	14 17310618,17 313794,1731 6659,173199 98,17320237, 17321373,17 322675,1734 1988,173511 40,17380026 17382579,17 390484,1741 0416,174205 29,	17316776, 17320094, 17320311, 17321479, 17322878, 17342065, 17351355, 17380066,	36001
AK024357	chr8	•	17310616	17351358	17312738	17322693	9 17310616,17 313794,1731 6656,173199 98,17320237, 17321373,17 322675,1734 1998,173511 40,	17316775, 17320094, 17320311, 17321479,	30425

FIG. 9C4



Position Build 33

FIG. 10

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Appendix 3: Output of correlation of 120 markers with orientation.

Appendix 3	. Output	Or Correra		Illaikeis Wi
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larker	Marker	-prime	Correlation	P-value
AC022239-5	INVSNP	0.310348	0.0235464	0.0105919
AC068974-2	INVSNP	0.717901	0.246708	9.88E-10
AF131215-1	INVSNP	0.669229	0.208883	2.91E-10
AF131215-2	INVSNP	0.826054	0.543927	4.99E-21
AF131215-4	INVSNP	0.71176	0.250012	1.52E-13
AF188029-1	INVSNP	0.276857	0.0154451	0.130948
AF188029-10	INVSNP	0.164122	0.0138136	0.0107372
AF188029-12	INVSNP	0.220334	0.0103093	0.238536
AF188029-7	INVSNP	0.236232	0.0350131	0.0207016
AF287957-1	INVSNP	0.0873719	0.00252711	0.677768
D8S1130	INVSNP	0.360552	0.0267458	0.00277162
D8S1469	INVSNP	0.292488	0.0453051	0.00238796
D8S1695	INVSNP	0.749707	0.308838	8.65E-19
D8S1721	INVSNP	0.387456	0.0361409	0.00124697
D8S1759	INVSNP	0.635416	0.0727243	8.14E-11
D8S1825	INVSNP	0.804892	0.245683	3.89E-21
D8S265	INVSNP	0.655468	0.118719	2.06E-13
D8S351	INVSNP	0.67781	0.0971108	2.35E-12
D8S503	INVSNP	0.47876	0.101609	4.21E-06
D8S516	INVSNP	0.470889	0.129417	6.12E-08
D8S520	INVSNP	0.350366	0.0304078	8.61E-05
D8S542	INVSNP	0.444143	0.0821856	1.23E-07
D8S550	INVSNP	0.487033	0.0303895	7.80E-08
DG00AAHBG	INVSNP	0.595792	0.336392	0.00458499
DG00AAHBH	INVSNP	0.565833	0.180968	9.35E-05
DG00AAHBI	INVSNP	0.504277	0.179788	1.08E-05
DG8S117	INVSNP	0.442753	0.0220656	0.203544
DG8S118	INVSNP	0.383535	0.00698894	0.426846
DG8S127	INVSNP	0.890818	0.488779	5.89E-14
DG8S128	INVSNP	0.456743	0.125524	0.000221348
DG8S130	INVSNP	0.536247	0.132253	1.39E-05
DG8S134	INVSNP	1	0.0635899	2.52E-08
DG8S136	INVSNP	0.343063	0.0516092	0.00690024
DG8S137	INVSNP	0.655751	0.119269	2.42E-05
DG8\$138	INVSNP	1	0.0584634	1.06E-07
DG8S147	INVSNP	0.566881	0.286732	6.58E-07
DG8S148	INVSNP	0.361632	0.0374806	2.22E-06
DG8S153	INVSNP	0.782853	0.210606	1.11E-15
DG8S155	INVSNP	0.604283	0.115256	3.42E-05
DG8S156	INVSNP	0.653866	0.330724	2.82E-11
DG8S159	INVSNP	0.568915	0.0133872	6.52E-05
DG8S161	INVSNP	0.841182	0.349055	6.81E-13
DG8S163	INVSNP	0.906095	0.589869	2.03E-23

FIG. 11A1

			49/90	
DG8S170	INVSNP	0.598019	0.302949	9.06E-11
DG8S177	INVSNP	0.320809	0.0215085	0.0422176
DG8S179	INVSNP	0.847218	0.471189	1.85E-13
	•			
DG8S181	INVSNP	0.714733	0.114141	2.32E-14
DG8S182	INVSNP	0.928892	0.197453	4.75E-08
DG8S188	INVSNP	0.136714	0.0106358	0.397153
DG8S192	INVSNP	0.217607	0.00997323	0.11848
DG8S197	INVSNP	0.764207	0.562667	2.34E-20
DG8S201	INVSNP	0.401621	0.0651737	0.000188696
DG8S212	INVSNP	1	0.036627	0.000368682
DG8S215	INVSNP	0.634833	0.146446	0.00116656
DG8S221	INVSNP	0.749998	0.165545	4.76E-17
DG8S232	INVSNP	0.347365	0.0307383	9.65E-11
DG8S238	INVSNP	1	0.0587153	7.29E-08
DG8S242	INVSNP	0.653286	0.403859	2.34E-10 0.964474
DG8\$245	INVSNP	0.0176728	2.32E-05	0.000176876
DG8S249	INVSNP	0.434415 0.292022	0.0358435 0.0130765	0.000176876
DG8S250	INVSNP	0.292022	0.0130765	2.27E-15
DG8S257 DG8S258	INVSNP	0.092008	0.0637854	3.86E-06
DG8S261	INVSNP	0.3534	0.456215	6.63E-12
DG8S262	INVSNP	0.377734	0.0699983	0.00163984
DG8S265	INVSNP	0.387668	0.0643316	2.82E-06
DG8S266	INVSNP	0.558352	0.163973	1.11E-09
DG8S269	INVSNP	0.848498	0.61698	4.80E-24
DG8S271	INVSNP	0.475146	0.0674433	0.0049336
DG8S277	INVSNP	0.67332	0.138379	7.54E-08
DG8\$285	INVSNP	0.182512	0.0225009	0.0857807
DG8S291	INVSNP	0.353319	0.078499	3.25E-08
DG8S292	INVSNP	0.502266	0.0559657	0.0189892
DG8S297	INVSNP	0.612404	0.142293	7.12E-09
DG8S298	INVSNP	1	0.122989	1.38E-14
DG8S301	INVSNP	0.159911	0.0113507	0.30016
DG8S302	INVSNP	0.507425	0.0728255	5.40E-11
DG8S303	INVSNP	0.516468	0.058	0.00460405
DG8S307	INVSNP	0.159702	0.0130769	0.238871
DG8S308	INVSNP	0.137742	0.00542977	0.0390388
DG8S316	INVSNP	0.694406	0.255881	3.36E-14
DG8S322	INVSNP	0.63348	0.188425	2.38E-13
DG8S323	INVSNP INVSNP	0.406188 0.650941	0.0403898	0.100275 1.90E-07
DG8S324 DG8S332	INVSNP	0.830941	0.0289007	0.0141458
DG8S333	INVSNP	0.313090	0.14615	4.97E-05
\$G08\$100	INVSNP	0.770327	0.132393	5.34E-05
SG08S102	INVSNP	0.853475	0.439721	1.16E-15
SG08S112	INVSNP	0.197699	0.0283795	0.097256
SG08S120	INVSNP	0.737674	0.471808	1.75E-17
SG08S138	INVSNP	0.765567	0.36206	6.68E-12
SG08S15	INVSNP	0.723465	0.394925	1.39E-14
SG08S26	INVSNP	0.72974	0.432938	2.31E-14
SG08S27	INVSNP	0.76487	0.456719	2.37E-15

FIG. 11A2

			50/90	
SG08S32	INVSNP	0.690147	0.448406	2.61E-15
SG08S35	INVSNP	0.715979	0.189307	1.18E-07
SG08S39	INVSNP	0.647568	0.244516	1.18E-06
SG08S42	INVSNP	0.462881	0.0770168	0.00761203
SG08S46	INVSNP	0.217101	0.00836067	0.296584
SG08S5	INVSNP	0.857381	0.643837	3.21E-25
SG08S50	INVSNP	0.491729	0.109579	0.000666173
SG08S506	INVSNP	0.468844	0.152268	0.000162305
SG08S507	INVSNP	0.849207	. 0.288162	3.04E-11
SG08S508	INVSNP	0.82544	0.332851	8.52E-12
SG08S510	INVSNP	0.89446	0.140689	2.35E-05
SG08S511	INVSNP	0.490152	0.238296	9.66E-07
SG08S512	INVSNP	0.514179	0.259522	4.85E-08
SG08S517	INVSNP	0.854815	0.442687	2.34E-15
SG08S520	INVSNP	0.827061	0.336667	1.87E-11
SG08S6	INVSNP	0.708812	0.27657	3.63E-09
SG08S70	INVSNP	0.856961	0.442137	5.74E-16
SG08S71	INVSNP	0.861792	0.456188	9.88E-17
SG08S73	INVSNP	0.852942	0.437359	9.84E-15
SG08S76	INVSNP	0.935397	0.436358	6.37E-17
SG08S90 🐇	INVSNP	0.489091	0.155061	7.64E-06
SG08S93	INVSNP	0.227004	0.0196952	0.237642
SG08S94	INVSNP	0.910261	0.2108	1.39E-05
SG08S95	INVSNP	0.844958	0.641432	5.16E-20
SG08S96	INVSNP	0.585711	0.160415	4.65E-05
SG08S97	INVSNP	0.146921	0.00392928	0.618463

FIG. 11A3

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Appendix	3: (	outpu	t of allello	freq	uencles a	ssociated	with the	orlent	tation	•		
						S						
						Frequency under Null Hypothes						
]			ş		ហ	Ŧ						•
1		Number of Affecteds	Frequency in Affecteds	ક્ટ	Frequency in Controls	ž	ş					
		20	Aff	Number of Controls	ຣັ	der	Chl-square Statistic		Allele of Marker 1		Allefe of Marker 2	
	챯	ξ¥	ř	చ్	ë	5	ឆ្	5	ark		lark	
	e E	9	Ę,	er o	ູ່ວິພ	(Sill)	퍨	atio	,	7	<u> </u>	6
P-value	Relative Risk	Ē	nbe	ğ	anba	ada	b <u>s-</u> i	Information	ee ee	Marker 1	ee c	Marker 2
	2	콜										
0.999994	1	0	0.350143 0.262901	115 115	0.350143 0.262901	0.350143 0.262901	5.92E-11 5.48E-11	1	4	AC022239-5 AC022239-5	1 2	INVSNP
0.999993	i	ō	0.186733	115	0.188733	0.186733	8.20E-11	i	ő	AC022239-5	1	INVSNP
0,999993	1	0	0.08718	115	0.08718	0.08718	7.50E-11	1	0	AC022239-5	2	INVSNP
0.999992 0.999993	1	0	0.080516 0.006441	115 115	. 0.080516 0.006441	0.080518	8.88E-11 8.59E-11	1	8 8	AC022239-5 AC022239-5	1 2	INVSNP INVSNP
0.999992	1	ŏ	0.021739	115	0.021739	0.000777	8.90E-11	i	-4	AC022239-5	í	INVSNP
0.999992	1	0	0.004348	115	0.004348	0.004348	8.90E-11	1	-12	AC022239-5	2	INVSNP
1	1	0	0.031192 0.057849	73 73	0.031192 0.057849	0.031192 0.057849	0 -1.14E-13	1	12 12	AC068974-2 AC068974-2	1 2	INVSNP INVSNP
i	i	ō	0.083845	73	0.083645	0.083645	0	1	14	AC068974-2	1	INVSNP
1	1	0	0.162931	73	0.162931	0.162931	-1.14E-13	1	14	AC068974-2	2	INVSNP .
1	1	0	0.46354	73 73	0.46354	0.46354	0 -2.27E-13	1	0	AC088974-2, AC088974-2	1 2	INVSNP INVSNP
i	i	ŏ	0.031432	73	0.03303	0.003003	-2.27E-13	i	16	AC068974-2	1	INVSNP
1	1	0	0.057609	73	0.057609	0.057609	-2.27E-13	1	16	AC068974-2	2	INVSNP
1	1	0	0.020548 0.027041	73 73	0.020548 0.027041	0.020548 0.027041	-2.27E-13 1.14E-13	1	6 10	AC068974-2 AC068974-2	2	INVSNP INVSNP
1	i	ŏ	0.007205	73	0.027041	0.027041	0	1	10	AC068974-2 AC068974-2	1 2	INVSNP
1	1	0	0.013699	73	0.013699	0.013699	-2.27E-13	1	20	AC068974-2	2	INVSNP
1	1	0	0.006986 0.013562	73 73	0.006988 0.013562	0.006988 0.013562	-1.14E-13 0	1	8	AC068974-2	1	INVSNP
1	1	Ö	0.006849	73	0.006849	0.006849	-2.27E-13	1	8 18	AC068974-2 AC068974-2	2	INVSNP INVSNP
1	1	0	0.006849	73	0.006849	0.006849	-2.27E-13	1	13	AC068974-2	1	INVSNP
0.999991	1	0	0.078213	111	0.078213	0.078213	1.19E-10	1	0	AF131215-1	1	INVSNP
0.999991 0.999991	1	0	0.047913 0.38885	111	0.047913 0.38885	0.047913 0.38885	1.19E-10 1.16E-10	1	0 2	AF131215-1 AF131215-1	2	INVSNP INVSNP
0.999991	1	0	0.025564	111	0.025584	0.025584	1.18E-10	1	2	AF131215-1	2	INVSNP
0.999991	1	0	0.066388	111	0.066388	0.066389	1.18E-10	1	-2	AF131215-1	1	INVSNP
0.999992 0.999991	1	0	0.226404 0.014005	111	0.226404 0.014005	0.226404 0.014005	1.11E-10 1.19E-10	1	-2 22	AF131215-1 AF131215-1	2 1	INVSNP INVSNP
0.999991	1	0	0.004013	111	0.004013	0.004013	1.17E-10	i	22	AF131215-1	2	INVSNP
0.999992	1	0	0.002836	111	0.002636	0.002636	1.04E-10	1	-4	AF131215-1	1	INVSNP
0.999991 0.999991	1	Ö	0.006373 0.028457	111	0.006373 0.028457	0.006373 0.028457	1.16E-10 1.14E-10	1	-4 8	AF131215-1 AF131215-1	2 1	INVSNP INVSNP
0.999991	1	0	0.003074	111	0.003074	0.003074	1.15E-10	i .	8	AF131215-1	2	INVSNP
0.999991	1	0	0.063063	111	0.063063	0.063063	1.20E-10	1	4	AF131215-1	1	INVSNP
0.999991 0.999991	1	ŏ	0.013514 0.007036	111	0.013514 0.007036	0.013514	1.20E-10 1.16E-10	1	-6 10	AF131215-1 AF131215-1	2	INVSNP INVSNP
0.999991	1	0	0.024496	111	0.024496	0.024496	1.18E-10	1	10	AF131215-1	2	INVSNP
1	1	0	0.531611	116	0.531811	0.531611	0	1	0	AF131216-2	1	INVSNP
1	1	0	0.024423 0.076954	116 116	0.024423 0.076954	0.024423 0.076954	0 -1.14E-13	1	0 4	AF131215-2 AF131215-2	2	INVSNP INVSNP
1	1	D	0.328219	116	0.328219	0.328219	0	1	4	AF131215-2	2	INVSNP
1	1	0	0.025056	116		0.025056	0	1	8	AF131215-2	1	INVSNP
1 0.999998	1	0	0.013738 0.430154	116 114	0.013738 0.430154	0.013738 0.430154	-1.14E-13 4.89E-12	1	8 0	AF131215-2 AF131215-4	2	INVSNP INVSNP
0.99998	1	ō	0.0216	114	0.0216	0.0216	5.00E-12	i	ō	AF131215-4	2	INVSNP
0.999998	1	0	0.164039	114	0.184039	0.164039	4.55E-12	1	14	AF131215-4	1	INVSNP
0,999998 1	1	0	0.257014 0.008176	114 114	0.257014	0.257014 0.008178	4.55E-12 3.41E-13	1	14 12	AF131215-4 AF131215-4	2 1	INVSNP INVSNP
0.999998	i	ŏ	0.086386	114	0.086386		4.09E-12	i	12	AF131215-4	ż	INVSNP
0.99998	1	0	0.030702	114	0.030702	0.030702	4.89E-12	1	8	AF131215-4	1	INVSNP
0.999998 0.999998	1	0	0.007281 0.005877	114 114	0.007281 0.005877	0.007281	5.00E-12 4.89E-12	1	16 16	AF131215-4 AF131215-4	1 2	INVSNP INVSNP
0.99998	ί	Ö	0.003877	114	0.003877	0,00386	4.89E-12	;	18	AF131215-4	2	INVSNP
0.999998	1	0	0.004386	114	0.004386	0.004386	4.89E-12	1	10	AF131215-4	1	INVSNP
0.999962	1	0	0.040595 0.012037	114 114	0,040595 0,012037	0.040595 0.012037	2.30E-09 2.29E-09	1	-6 -6	AF188029-1	1 2	INVSNP INVSNP
0,999962 0,999962	í	0	0.208582	114	0.208582	0.012037	2.27E-09	1	0	AF188029-1 AF188029-1	1	INVSNP
0.999962	1	0	0.072119	114	0.072119	0.072119	2.28E-09	1	0	AF188029-1	2	INVSNP
0.999962	1	0	0.116762	114	0.116762	0.116762	2.30E-09	1	-8	AF188029-1	1	INVSNP
0.999962 0.999962	1	0	0.106922 0.127628	114 114	0.106922 0.127628	0.106922 0.127629	2.30E-09 2.29E-09	1	-8 -4	AF188029-1 AF188029-1	2	INVSNP INVSNP
0.999962	1	0	0.1138	114	0.1138	0,113599	2.29E-09	1	-4	AF188029-1	2	INVSNP
0.999962	1	0	0.026068	114	0.026068	0.028067	2.28E-09	1	2	AF188029-1	1	INVSNP
0.999962 0.999962	1	0	0.017792 0.017544	114 114	0.017792 0.017544	0.017793 0.017544	2.28E-09 2.30E-09	1	2 -12	AF188029-1 AF188029-1	2	INVSNP
V.00000E	•	-	-10 (1077			10 1		•	•		•	"4 A OM

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		_				-						
0.999962	1	0	0.077087	114	0.077087		2.29E-09	1	-2	AF188029-1	1	INVSNP
0.999962	1	0	0.015018	114	0.015018	0.015019	2.29E-09	1	-2 .	AF188029-1	2	INVSNP
0.999962 0.999962	1	Ö	0.026085	114 114	0.026085	0.026085	2,29E-09 2,30E-09	1	-10 -10	AF188029-1	1 2	INVSNP INVSNP
0.999962	1	ő	0.003003	114	0.009003	0.009003	2.30E-09	ì	4	AF188029-1 AF188029-1	2	INVSNP
0.999945	i	ŏ	0.262927	114	0.013138	0.262929	4.81E-09	i	0	AF188029-10	1	INVSNP
0.999945	1	ō	0.140582	114	0,140582	0.14058	4.82E-09	1	ō	AF188029-10	ż	INVSNP
0.999945	1	0	0.28156	114	0.28156	0.281559	4.79E-09	1	2	AF188029-10	1	INVSNP
0.999945	1	0	0.108791	114	0.108791	0.108792	4.82E-09	1	2	AF188029-10	2	INVSNP
0.999945	1	0	0.024981	114	0.024981	0.024981	4.82E-09	1	8	AF188029-10	1	INVSNP
0.999945	1	0	0.071511	114	0.071511	0.07151	4.84E-09	1	В	AF188029-10	2	INVSNP
0.999945	1	0	0.030975	114	0.030975	0.030975	4.84E-09	1	4	AF188029-10	1	INVSNP
0.999945	1	0	0.01727	114	0.01727	0.017271	4.82E-09	1	4	AF188029-10	2	INVSNP
0.999945 0.999945	1	0	0.035522 0.021496	114 114	0.035522		4.82E-09 4.82E-09	1	-2 -2	AF188029-10 AF188029-10	1 2	INVSNP INVSNP
0.999945	1	ŏ	0.004386	114	0.021496	0.021496 0.004386	4.84E-09	1	- <u>-</u> 2	AF188029-10	1	INVSNP
0.999906	i	ŏ	0.117898	115		0.117897	1.40E-08	i	ŏ	AF188029-12	i	INVSNP
0.999806	1	ŏ	0.047319	115	0.047319	0.047321	1,40E-08	1	ŏ	AF188029-12	2	INVSNP
0.999906	1	0	0.058949	115	0.058949	0.058949	1.40E-08	1	4	AF188029-12	1	INVSNP
0.999906	1	0	0.045399	115	0.045399	0.045399	1,40E-08	1	4	AF188029-12	2	INVSNP
0.999906	1	O	0.339813	115	0.339813	0.339813	1.40E-08	1	-12	AF188029-12	1	INVSNP
0.999906	1	0	0.225405	115	0.225405	0.225404	1.40E-08	1	-12	AF188029-12	2	INVSNP
0.999906	1	0	0.109427	115	0.109427		1.40E-08	1	-4	AF188029-12	1	INVSNP
0.999906	1	0	0.029704	115	0.029704	0.029702	1.40E-08	1	-4	AF188029-12	2	INVSNP
0.999906 0.999908	1	0	0.004348 0.021739	115 115	0.004348 0.021739	0.004348	1.40E-08 1.40E-08	- 1 1	12	AF188029-12 AF188029-12	2	INVSNP INVSNP
0.999999	1	ŏ	0.398707	115.	0.398707	0.021739	5.68E-13	1	8	AF188029-7	1	INVSNP
1	i	ŏ	0.149119	115	0.149119	0.149119	3.41E-13	1	ŏ	AF188029-7	2	INVSNP
0.999999	i	ō	0.230861	115	0.230861	0.230861	8.82E-13	1	-4	AF188029-7	1	INVSNP
0.999999	1	0	0.190878	115	0,190878	0.190878	5.68E-13	1	-4	AF188029-7	2	INVSNP
0.999999	1	0	0.005215	115	0.005215	0.005215	7.96E-13	1	2	AF188029-7	1	INVSNP
0.999999	1	0	0.007828	115	0.007828	0.007828	7.96E-13	1	2	AF188029-7	2	INVSNP
0.999999	1	0	0.004348	115	0.004348	0.004348	7.96E-13	1	-2	AF188029-7	2	INVSNP
0.999999	1	0	0.004348	115	0.004348	0.004348	7.98E-13	1	4	AF188029-7	2	INVSNP
0.999999	1	0	0.008696	115	0.008696	0.008698	7.96E-13	1	6	AF188029-7	2	INVSNP
0.999994 0.999992	1	Ö	0.315096 0.162516	67 67	0.315096 0.162516	0.315096 0.162516	5.09E-11 1.00E-10	1	0	AF287957-1 AF287957-1	1 2	INVSNP INVSNP
0.999994	i	ŏ	0.246253	67	0.702310	0.246253	5.28E-11	1	-6	AF287957-1	1	INVSNP
0.999992	1	ō	0.141807	67	0.141807	0.141808	1.02E-10	i	-6	AF287957-1	ż	INVSNP
0.999992	1	Ō	0.007463	67	0.007463	0.007463	1.05E-10	1	4	AF287957-1	2	INVSNP
0.999992	1	0	0.048528	67	0.048528	0.048528	1.05E-10	1	-4	AF287957-1	1	INVSNP
0.999992	1	0	0.026098	67	0.026098	0.026098	1.04E-10	1	-4	AF287957-1	2	INVSNP
0.999992	1	D	0.009525	67	0.009525	0.009525	1.04E-10	1	2	AF287957-1	1	INVSNP
0.999892	1	0	0.012863	67	0.012863	0.012863	1.04E-10	1	2	AF287957-1	2	INVSNP
0.999992	1	0	0.007463	67	0.007463	0.007463	1.05E-10	1	-2	AF287957-1	2	INVSNP
0.999992 0.999992	1	0	0.007463 0.014925	67 67	0.007463 0.014925	0.007463 0.014925	1.05E-10 1.05E-10	1	-14 -14	AF287957-1 AF287957-1	1 2	INVSNP INVSNP
0.999943	1	ő	0.006547	130	0.006547	0.014928	5.05E-09	1	-12	D8S1130	1	INVSNP
0.999943	i	ŏ	0.047299	130	0.047299	0.047299	5.05E-09	i	-12	D8S1130	2	INVSNP
0.999943	1	Ō	0.19591	130	0,19591	0.195911	6.03E-09	1	4	D8S1130	1	INVSNP
0.999944	1	0	0.061782	130	0.061782	0.081782	5.01E-09	1	4	D8S1130	2	INVSNP
0.999943	1	0	0.124013	130	0.124013	0.124013	5.05E-09	1	0	D8S1130	1	INVSNP
0.999943	1	0	0.037526	130	0.037526	0.037526	5.05E-09	1	0	D8S1130	2	INVSNP
0.999943	1	0	0.064837	130	0.064837	0.064837	5.05E-09	1	8	D8S1130	1	INVSNP
0.999943	1	0	0.042855	130	0.042855	0.042855	5.05E-09	1	8	D8S1130	2	INVSNP
0.999943	1	0	0.099089	130 130	0.099089 0.127834	0.099089	5.05E-09	1	-8	D8S1130	1	INVSNP
0.999943 0.999943	i	ŏ	0.127834 0.109906	130	0.127634	0.127834	5.05E-09	1	-8 -4	D8S1130 D8S1130	1	INVSNP
0.899943	i	ŏ	0.032402	130	0.032402		5.05E-09	i	-4	D8S1130	2	INVSNP
0.999943	1	ŏ	0.038462	130	0.038462	0.038462	5.05E-09	i	12	D8S1130	ī	INVSNP
0.999943	1	Ō	0.011236	130	0.011236	0.011236	5.04E-09	1	16	D8S1130	1	INVSNP
0.999942	1	0	0.000303	130	0.000303	0.000303	5.27E-09	1	16	D8S1130	2	INVSNP
0.999987	1	0	0.163471	128	0.163471	0.163471	2.77E-10	1	0	D8S1469	1	INVSNP
0.99987	1	0	0.113873	128	0.113873		2.77E-10	1	0	D8S1469	2	INVSNP
0.999987	1	0	0.393429	128	0.393429	0.393429	2.77E-10	1	4	D8S1469	1	INVSNP
0.999987	1	0	0.110477	128	0.110477		2.73E-10	1	4	D8S1469	2	INVSNP
0.999987	1	0	0.075879	128 128	0.075679		2.76E-10	1	8	D8S1469	1	INVSNP INVSNP
0.999987 0.999987	1	Ö	0.068852 0.003906	128	0,068852 0,003906	0.068852	2.75E-10 2.81E-10	1	8 12	D8S1469 D8S1469	2	INVSNP
0.999987	•	ŏ	0.009673	128	0.009873	0.009673	2.81E-10	i	3	D8S1469	1	INVSNP
0.999987	i	ŏ	0.037202	128	0.037202	0.037202	2.81E-10	i	3	D8S1469	2	INVSNP
0,999987	1	ŏ	0.006185	128	0.008185		2.69E-10	i	-4	D8S1469	1	INVSNP
0.999987	1	0	0.017253	128	0.017253	0.017253	2.80E-10	1	-4	D8S1469	2	INVSNP
0.999927	1	0	0.487276	123	0.487276	0.487276	8.27E-09	1	0	D8S1695	1	INVSNP
0.999927	1	0	0.028984	123	0.028984	0.028984	8.27E-09	1	0	D8S1695	2	INVSNP
0.999927	1	0	0.02341	123	0.02341	0.023411	8.26E-09	1	8	D8S1695	1	INVSNP
0.999928	1	0	0.208297	123	0.208297	0.208296	8.25E-09	1	8	D8S1695	2	INVSNP
0.999927	1	0	0.007843	123		0.007842	8,26E-09	1	6	D8S1695	1	INVSNP
0.999927 0.999927	1	0	0.045003. 0.008341	123 123	0.045003	0.045004 0.008341	8.26E-09 8.27E-09	1	6 10	D8S1695 D8S1695	2	INVSNP INVSNP
0.999927	1	Ö	0,008341	123	0.008341	0.008341	8.27E-09	1	10	D8S1695	2	INVSNP
0.999927	i	ŏ	0.020243	123	0.09789	0.020240	8.26E-09	i	4	D8S1695	1	INVSNP
0.999927	i	ō	0.032191	123		0.032191	B.27E-09	1	4	D8S1695	2	INVSNP
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0.999927	1	0	0.00938					1	12	D8S1695	1	INVSNP
0.999928 0.999927	1	. 0	0.006874						12		. 2	
0.999555	1	. 0	0.01626		0.01626 0.236048				2	D8S1695	1	
0.999555	i	ō	0.029909		0.029909				34 34		1	
0.999555	1	0	0.042553		0.04255				36		2	
0.999555	1	0	0.252583		0.252583				Ö	D8S1721	1	
0.999555	1	0	0.114438		0.114438		3.11E-07		Ŏ	D8S1721	2	
0.999555 0.999555	1	0	0.08138			3 0.081379			2	D8S1721	1	
0.999555	1	0	0.051599 0.014775		0.051599				2	D8S1721	2	
0.999555	1	ŏ	0.070331		0.070331	5 0.014778 I 0.070331			4	D8S1721	1	
0.999555	1	Ō	0.015957		0.015957				4 8	D8S1721 D8S1721	2	
0.999555	1	0	0.006553	94		0.006553			24	D8S1721	1	
0.999555	1	0	0.046638		0.046638	0.046638			24	D851721	2	
0.999555	1	0	0.015957		0.015957			1	32	D8S1721	1	
0.999555 0.999555	1	0	0.005319 0.005319			0.005319		1	38	D8S1721	1	INVSNP
0.899555	1	ŏ	0.009724		0.005319 0.009724			1	6	D8S1721	1	INVSNP
0.999553	1	ō	0.000914		0.000914		3.12E-07 3.14E-07	1	30 30	D8S1721 D8S1721	1	INVSNP
0.899999	1	0	0.320948		0.320948			- 1	0	D8S1759	2	INVSNP INVSNP
0.999999	1	0	0.279052		0.279052			1	ō	D8S1769	2	
0.999999	1	0	0.070538		0.070538			1	2	D8\$1759	1	INVSNP
0.999999	1	0	0.006385		0.006385			• 1	2	D8S1759	2	INVSNP
0.889999	i	0	0.019231	130 130	0.019231 0.080769		5.68E-13	1	6	D8S1759	2	INVSNP
0.899999	i	ő	0.134615		0.134615		5.68E-13 6.82E-13	1	4 12	D8S1759 D8S1769	1	INVSNP
1	1	Ō	0.014158	130	0.014158		3.41E-13	í	10	D8S1759	, 1	INVSNP INVSNP
0.999999	1	0	0.024304	130	0.024304		7.96E-13	i	10	D8S1759	2	INVSNP
0.999999	1	0	0.021279	130	0.021279		6.82E-13	1	14	D8S1759	1	INVSNP
0.999999	1	0	0.005644	130	0.005644		6.82E-13	1 .	14	D8S1759	2	INVSNP
0.999999	1	Ö	0.007692 0.015385	130 130	0.007692 0.015385		6.82E-13	1	16	D8S1759	1	INVSNP
1	1	ŏ	0.122402	119	0.122402		6.82E-13 0	1	8 0	D8S1759 D8S1825	2	INVSNP
1	1	D	0.314573	119	0.314573		2.27E-13	1	ŏ	D8S1825	1 2	INVSNP INVSNP
1	1	0	0.078908	119	0.078908	0.078908	1.14E-13	1	8	D8S1825	ī	INVSNP
1	1	0	0.009327	119	0.009327		0	1	8	D8S1825	2	INVSNP
1 1	1	0	0.117647	119	0.117647		0	1	10	D8S1825	1	INVSNP
i	i	ŏ	0.205882 0.085346	119 119	0.205882 0.085346		4 445 42	1	6	D8S1825	1	INVSNP
1	1	ō	0.023898	119	0.023898	0.023898	1.14E-13 -1.14E-13	1	2	D8S1825 D8S1825	1 2	INVSNP
1	1	0	0.015866	119	0.015866	0.015866	0	i	4	D8S1825	1	INVSNP INVSNP
1	1	0	0.005143	119	0.005143	0.005143	ŏ	i	4	D8S1825	2	INVSNP
1	1	0	0.016807	119	0.016807		0	1	12	D8S1825	1	INVSNP
1	1	0	0,004202 0,107339	119	0.004202		0	1	14	D8S1825	1	INVSNP
i	i	ő	0,235636	121 121	0.107339 0.235636	0.107339 0.235836	-2.27E-13	1	4	D8S265	1	INVSNP
1	1	ō	0.085168	121	0.065166	0.065166	0	1 1	4 0	D8S265 D8S265	2	INVSNP
1	1	0	0.087065	121	0.067065	0.067065	ŏ	i	ŏ	D8S265	1 2	INVSNP INVSNP
1	1	0	0.016529	121	0.016529	0.016529	-4.55E-13	1	6	D8S265	2	INVSNP
1 1	1	0	0.057851	121	0.057851	0.057851	-4.65E-13	1	-5	D8S285	1	INVSNP
i	1	0	0.120883 0.027878	121 121	0.120883 0.027878		-4.55E-13	1	2	D8S265	1	INVSNP
i	i	ő	0.090909	121	0.027878	0.027878 0.090909	-4.55E-13 -4.55E-13	1	2	D8S265	2	INVSNP
. 1	1	0	0.086777	121	0.088777	0.088777	-4.55E-13	1	18 12	D8S265 D8S265	1	INVSNP INVSNP
1	1	0	0.11157	121	0.11157	0.11157	-2.27E-13	i	14	D8S265	i	INVSNP
1	1	0	0.008264	121	0,008264	0.008264	-2.27E-13	1	16	D8S265	1	INVSNP
0.999885	1	0	0.004132 0.020683	121 105	0.004132	0.004132	-2.27E-13	1	1	D8S265	1	INVSNP
0.999885	i	ō	0.020083	105	0.020683 0.079317	0.020883	2.09E-08	1	0	D8S351	1	INVSNP
0.999885	1	ō	0.12177	105		0.121769	2.09E-08 2.09E-08	1	0 18	D8S351 D8S351	2	INVSNP
0.999885	1	0	0.035373	105	0.035373		2.09E-08	i	18	D8S351	1 2	INVSNP INVSNP
0.999885	1	0	0.017031	105	0.017031		2.09E-08	1	2	D8S351	ī	INVSNP
0.999885	1	0	.0.187731	1,05	0.187731		2.09E-08	1	2	D8S351	2	INVSNP
0.999885 0.999885	1	0	0.177921 0.017317	105 105	0.177921		2.09E-08	1	6	D8\$351	1	INVSNP
0.999885	1	ŏ	0.017317	105	0.017317 0.028292		2.09E-08	1	6	D8S351	2	INVSNP
0.999885	1	ō	0.005041	105	0.005041	0.020293	2.09E-08 2.09E-08	1	10 10	D8S351	1	INVSNP
0.999885	1	0	0.052381	105	0.052381	0.052381	2.09E-08	i		D8S351 . D8S351	2 1	INVSNP INVSNP
0.999885	1	0	0.036414	105	0.036414		2.09E-08	1	-	D8S351	i	INVSNP
0.999885	1	0	0.020728	105		0.020728	2.09E-08	1		D8S351	2	INVSNP
0.999885 0.999885	1	0	0.071429	105	0.071429		2.09E-08	1		D8S351	1	INVSNP
0.999885	1	0	0.087785 0.008405	105 105		0.067784 0.008406	2.09E-08	1		D8S351	1	INVSNP
0.999885	i	ŏ	0.02058	105	0.02058	0.02058	2.09E-08 2.09E-08	1		D8S351 D8S351	2	INVSNP
0.999885	1	ŏ	0.017515	105	0.02038		2.09E-08	1		D8S351 D8S351	1 2	INVSNP
0.999885	1	0	0.004762	105		0.004762	2.09E-08	i		D8S351	1	INVSNP INVSNP
0.999885	1	0	0.004762	105	0.004762	0.004762	2.09E-08	1		D8S351	2	INVSNP
0.999885 0.999996	1	0	0.004762	105		0.004762	2.09E-08	.1	22	D8S351	2	INVSNP
0.999996	1	0	0.126777 0.20519	122 122		0.126777	2.98E-11	1		D8S503	1	INVSNP
0.898996	i	0	0.20519	122	0.20519 0.295435	0.20519 0.295435	2.97E-11 2.67E-11	1		D8\$503	2	INVSNP
0.999997	1	ā	0.032434	122	0.032434		1.60E-11	i		D8S503 D8S503		INVSNP
							DO.	•	- '		4	INVSNP

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0.999996	1	0	D.141876					1	-2	D8S503		i INVSNP
0.999997 0.999996	1	0	0.058944 0.012912		0.058944			1	-2			2 INVSNP
0.899996	1	ő	0.036269	• •—	0.012912			1	-4			1 INVSNP
0.99998	1	Ó	0.036885		0.036885			1	-4			2 INVSNP 1 INVSNP
0.999996	1	0			0.028547			i	-8			1 INVSNP
0.999996	1	0	0.012437		0.012437		2.68E-11	1	-8			2 INVSNP
0.999996 0.999996	1	0	0.009208 0.003088		0.009208			1	4			I INVSNP
0.999933	1	ő	0.49559		0.003088 0.49559			1	4			2 INVSNP
0.999933	1	ō	0.13518		0.13518			1	2	D8S516 D8S516	2	
0.999933	1	0	0.062919					i	4	D8S518	1	
0.999933	1	0	0.180158		0.160158			1	4	D8S516	2	
0.999933	1	0	0.061539 0.027153		0.061539			1	0	D8\$516	1	
0.999933	1	Ö	0.027 193		0.027153 0.030539			1	-2		1	
0.999933	i	ō	0,0028		0.0028			1	-2 -4		1	
0.999933	1	0	0.004892		0.004892			i	4		2	
0.989933	1	0	0.011539		0.011539			1	6	D8S516	2	
0.989933	1	0	0.007892 0.227223		0.007692			1	8	D8S516	2	
0.999853	1	Ö	0.110498	114 114	0.227223 0.110498			1	6	D8S520	. 1	
0.999853	1	ō	0.198127	114	0.198127			1	6 8	D8S520 D8S520	1	
0.999853	1	0	0.038715	114	0.038715			1	8	D8S520	2	
0.999853	1	0	0.010655	114	0.010655		3.38E-08	1	10		1	
0.999853 0.999853	1	0	0.006889 0.06697	114	0.006889			1	10		2	INVSNP
0.999853	i	ő	D.025135	114 114	0.06697 0.025135	0.088968 0.025137		1	0	D8S520	. 1	
0.999853	1	ō	0.02375	114	0.02375		3.38E-08 3.38E-08	1	-10	D8S520 D8S520	· 2	
0.999853	1	0	0.04204	114	0.04204	0.042039	3.38E-08	i	-10		2	INVSNP INVSNP
0.999853	1	0	0.098408	114	0.098406			1	4	D8S520	1	INVSNP
0.999853 0.999853	1	0	0.024401	114	0.024401			1	4	D8S520	2	INVSNP
0.999853	1	ő	0.008772 0.014155	114 114	0.008772 0.014155	0.008772 0.014154	3.38E-08	1	-12		2	INVSNP
.0.999853	1	ō	0.091109	114	0.091109	0.091109	3.38E-08 3.38E-08	1	2	D8S520 D8S520	1 2	INVSNP INVSNP
0.999853	1	0	0.005451	114	0.005451	0.005451	3.38E-08	i	-2	D8S520	1	INVSNP
0.999853	1	0	0.003321	114	0.003321	0.003321	3.38E-08	1	2	D8S520	2	
0.999853 0.999994	1	0	0.004386 0.310811	114 - 128		0.004386	3.38E-08	1	12	D8S520	1	INVSNP
0.989993	i	ő	0.212826	128	0.310611 0.212826	0.310611 0.212826	5.41E-11 7.05E-11	1	0	D8S542	1	INVSNP
0.999993	1	ŏ	0.293986	128		0.293986	6.79E-11	1	0	D8S542 D8S542	2 1	INVSNP INVSNP
0.99993	1	0	0.018514	128	0.018514	0.018514	7.05E-11	i	2	D8S542	2	INVSNP
0.999993	1	0	0.043841	128	0.043841	0.04384	7.17E-11	1	4	D8S542	1	INVSNP
0.999994 0.999997	1	. 0	0.120222 0.096639	128 119	0.120222		6.15E-11	1	4	D8S542	2	INVSNP
0.999998	i	. 0	0.016099	119	0.096639 0.016099	0.096639	1.09E-11 9.56E-12	1	-8	D8S550	1	INVSNP
0.999997	1	ō	0.08054	119	0.08054	0.08054	1.07E-11	1 1	12 12	D8S550 D8S550	1 2	INVSNP
0.899997	1	0	0.210239	119	0.210239	0.210239	1.11E-11	i	14	D8S550	1	INVSNP INVSNP
0.999997	1	0	0.092282	119	0.092282	0:092282	1.09E-11	1	14	D8S550	. 2	INVSNP
0.999997 0.999997	1	0	0.096539 0.012605	119 119	0.096639 0.012605	0.096839	1.09E-11	1	-2	D8S550	1	INVSNP
0.999998	1	ŏ	0.012803	119	0.012605	0.012605 0.019643	1.09E-11 9.55E-12	1	В	D8S550	2	INVSNP
0.999998	1	ō	0.026575	119	0.026575	0.026575	9.55E-12	1	18 18	D8S550 D8S550	1 2	INVSNP
0,999997	1	0	0.071429	119	0.071429	0.071429	1.09E-11	i	-8	D8S550	1	INVSNP INVSNP
0.999997	1	0	0.056397	119	0.056397	0.056397	1.11E-11	1	16	D8S550	1	INVSNP
0.999997	1	0	0.031838 0.03105	119 119	0.031838	0.031838	1.00E-11	1	16	D8S550	2	INVSNP
0.999998	i	ŏ	0.027773	119	0.03105 0.027773	0.03105	7.50E-12	1	0	D8S550	1	INVSNP
0.999998	1	0	0.044723	119	0.044723		6.59E-12 8.19E-12	1	0 10	D8S550 D8S550	2 1	INVSNP INVSNP
0.999998	1	0	0.051918	119	0.051916	0.051918	7.96E-12	i	10	D8S550	2	INVSNP
0.999997 0.999997	1	0	0.004202	119	0.004202		1.09E-11	1	2	D8S550	1	INVSNP
0.999997	1	0	0.021008 0.004202	119 119	0.021008 0.004202		1.09E-11	1	20	D8S550	2	INVSNP
0.999997	1	ō	0.004202	119		0.004202	1.09E-11 1.09E-11	1	22 4	D8S550 D8S550	2	INVSNP
0.999994	1	0	0.509649	23		0.509649	5.65E-11	i	ĭ	DG00AAHBG	1	INVSNP INVSNP
0.999995	1	0	0.099047	23	0.099047	0.099047	3.39E-11	ì	i	DG00AAHBG	2	INVSNP
0.999995 0.999994	1	0	0.099047	23	0.099047		3.39E-11	1	2	DG00AAHBG	t	INVSNP
0.999999	1	0	0.292258 0.547767	23 107		0.292258 0.647767	5.36E-11	1	2	DG00AAHBG	2	INVSNP
0.999999	i	ŏ	0.199897	107	0.199897		2.96E-12 2.56E-12	1	2	DG00AAHBH	1	INVSNP
0.999999	1	0	0.064383	107	0.084383		1.08E-12	i	1	DG00AAHBH DG00AAHBH	2 1	INVSNP INVSNP
0.999999	1	0	0.187954	107		0.187954	2.61E-12	i	1	DGOQAAHBH	2	INVSNP
86666.0 86866.0	1	0	0.529477	107		0.529477	6.08E-10	1	3	DG00AAHBI	1	INVSNP
0.99998	1	0	0.17613 0.087345	107 107	0.17613 0.087345		6.16E-10	1	3	DG00AAHBI	2	INVSNP
0.99998	i	ő	0.207047	107		0.207047	6.20E-10 8.14E-10	1	1	DG00AAHBI	1	INVSNP
0.999947	1	0	0.140205	94		0.140204	4.48E-09	i	ò	DG00AAHBI DG8S117	2 1	INVSNP INVSNP
0.999947	1	0	0.030007	94	0.030007	0.030009	4.48E-09	i	ō	DG8S117	2	INVSNP
0.999947 0.999947	1	0	0.535327	94		0.535328	4.41E-09	1	9	DG8S117	1	INVSNP
0.999905	1	0	0.294461 0.590826	94 128	0.294461 0.590828	0.28446	4.47E-09	1	9	DG8S117	2	INVSNP
0.999905	i	ŏ	0.331049	128	0.331049	0.590827 0.331048	1.41E-08 1.41E-08	1	0	DG8S118	1	INVSNP
		-						•	J	DG8S118	2	INVSNP
					F-	IG. 11	104					
		•										

						22/3	90					
0.999905					0.081518	8 0.06151	7 1.42E-08	1	5	DG8S118		1 INVSNP
0.999905		-				7 0.01660		1	5			2 INVSNP
0.999853		-			0.464373			1	0	DG8S127		1 INVSNP
0.999853		-			0.020702 0.100758			1	0			2 INVSNP
0.999853		-			0.00372			1	6 6			INVSNP
0.999853		_	0.081735		0.061735			1	1	DG8S127 DG8S127		2 INVSNP 1 INVSNP
0.999853					0.348712			i	1	DG8S127		NVSNP
0.999999		_			0.590324		1.31E-12	1	Ó	DG8S128		
0.999999					0.170546			1	0	DG8S128	2	
0.999999		Ö			0.094459 0.144672			1	4	DG8S128	1	
0.999995		Ō						1	4	DG8S128 DG8S130	3	
0.999995		0		105				1	4	DG8S130	1	
0.999995		0				0.253142		1	ò	DG8S130	1	
0.999995 0.999995		0						1	0	DG8S130	2	
0.999995		0	0.028571 0.004762					1	-18		2	
0.999995		ō	0.009524					1	-4 -4	DG8S130	1	
0.999895	1	0	0.023412		0.023412			1	8	DG8S130 DG8S130	. 1	
0,999995		0	0.014683		0.014683			i	8	DG8S130	2	
1	1	0	0.545082		0.545082	,		1	ō	DG8S134	- 1	
1	1	0	0.352459 0.102459		0.352459			1	0	DG8S134	2	
0.99972		Ö	0.102439		0.102459 0.456738			1	4	DG8S134	1	INVSNP
0.99972		ō	0.187495		0.187495			1	0	DG8S136 DG8S136	1	INVSNP
0.99972		0	0.013739		0.013739			i	-6	DG8S136	2 1	INVSNP INVSNP
0.99972	1	0	0.083184		0.063184	0.063184	1.24E-07	i	-8	DG85136	, 5	
0.99972 0.99972	1	0	0.041344 0.025964	104	0.041344		1.24E-07	1	2	DG8S136	1	INVSNP
0.999718	i	0	0.039577	104 104	0.025984 0.039577	0.025963	1.24E-07	1	2	DG8S136	2	INVSNP
0.999718	1	ō	0.008499		0.008499	0.039575 0.008502	1.24E-07 1.24E-07	1	-4 -4	DG8S136	1	INVSNP
0.99972	1	0	0.018587	104	0.018587		1.24E-07	1	4	DG8S136 DG8S136	2 1	INVSNP INVSNP
0.99972	1	0	0.024683	104	0.024683		1.24E-07	i	4	DG8S136	2	INVSNP
0.99972 0.99972	1	0	0.01333	104	0.01333	0.01333	1.24E-07	1	6	DG8S136	1	INVSNP
0.999719	1	0	0.029939 0.023742	104 104	0.029939		1.24E-07	1	6	DG8S136	2	INVSNP
0.999721	- i	ŏ	0.000297	104	0.023742	0.023741	1.24E-07 1.22E-07	1 1	-2 -2	DG8S136	1	INVSNP
0.99972	1	0	0.008331	104	0.008331	0.008331	1.24E-07	1	8	DG8\$136 DG8\$136	2	INVSNP INVSNP
0.99972	1	0	0.039746	104	0.039746	0.039746	1.24E-07	i	8	DG8S138	2	INVSNP
0.99972 0.999972	1	0	0.004808	104	0.004808	0.004808	1.24E-07	1	-14	DG8S136	2	INVSNP
0.999972	1	Ö	0.193763 0.043079	38 38	0.193763 0.043079	0.193763	1.21E-09	1	-2	DG8S137	1	INVSNP
0.999972	1	ō	0.031265	38	0.043079	0.043079 0.031265	1.23E-09 1.23E-09	1	-2	DG8S137	2	INVSNP
0.999972	1	0	0.008209	38	0.008209	0.001203	1,23E-09	1	2 2	DG8S137 DG8S137	1 2	INVSNP INVSNP
0.999972	1	0	0.042557	38	0.042557	0.042557	1.24E-09	1	4	DG8S137	1	INVSNP
0.999972 0.999972	1	0	0.062708	38	0.062706	0.062706	1.24E-09	1	4	DG8\$137	ż	INVSNP
0.999972	1	Ö	0.015798 0.194728	38 38	0.015798 0.194728	0.015798	1.25E-09	1	в	DG8S137	1	INVSNP
0.999972	1	ō	0.052632	38	0.052632	0.194728 0.052632	1.25E-09 1.25E-09	1	6 -4	DG8S137	2	INVSNP
0.999973	1	0	0.269248	38	0.269248	0.269248	1.18E-09	i	ō	DG8S137 DG8S137	1 1	INVSNP INVSNP
0.999972	1	0	0.048541	38	0.046541	0.046542	1.23E-09	1	ŏ	DG8S137	2	INVSNP
0.999972	1	0	0.039474	38	0.039474	0.039474	1.25E-09	1	12	DG8S137	2	INVSNP
i	i	Ö	0.097345 0.566372	113 113	0.097345 0.566372	0.097345 0.566372	0	1	-1	DG8S138	1	INVSNP
1	1	Ö	0.336283	113	0.338283	0.336283	0	1	0	DG8S138	1	INVSNP
0.99995	1	0	0.131246	84	0.131246	0.131246	4.39E-11	i	Ö	DG8S138 DG8S147	2	INVSNP INVSNP
0.999994	1	0	0.231849	84	0.231849	0.231849	5.45E-11	1	ŏ	DG8S147	2	INVSNP
0.999993	1	0	0.553278 0.083627	84	0.553278	0.553278	6.01E-11	1	2	DG8S147	1	INVSNP
0.999998	i	ő	0.003027	84 120	0.083627 0.075	0.083627 0.075	6.68E-11	1	2	DG8S147	2	INVSNP
0.999998	1	0.	0.17032	120	0.17032	0.17032	4.89E-12 4.66E-12	1	-4 2	DG8S148 DG8S148	1	INVSNP
0,999998	1	0	0.07968	120	0.07968	0.07988	4.43E-12	i	2	DG8S148	1 2	INVSNP INVSNP
0.999999	1	0	0.179826	120		0.179828	3.52E-12	1	-2	DG8S148	ĩ	INVSNP
0.999999	1	0	0.03684 0.21652	120	0.03684	0.03684	4.55E-13	1	-2	DG85148	2	INVSNP
0.999998	i	ŏ	0.204313	120 120	0.21652 0.204313	0.21652	4.55E-12	1	0.	DG8S148	1	INVSNP
0.999998	1	0	0.0375	120	0.0375	0.0375	4.32E-12 4.89E-12	1	0 4	DG8S148 DG8S148	2	INVSNP
1	1	0	0.108162	114	0.106162		2.27E-13	i	-2	DG8S148 DG8S153	2 1	INVSNP INVSNP
1	1	0	0.306118	114			-2.27E-13	1 .	-2	DG8S153	ż	INVSNP
1 ·	1	0	0.123439	114		0.123439	2.27E-13	1	0	DG8S153	1	INVSNP
1	1	0	0.012528 0.013158	114 114		0.012526 0.013158	2 445 42	1	0	DG8S153	2	INVSNP
i	i	ŏ	0.030702	114		0.030702	3.41E-13 3.41E-13	1	-6 2	DG8S153	2	INVSNP
1	1	0	0.129896	114		0.129896	0	1	6	DG8S153 DG8S153	1	INVSNP INVSNP
. 1	1	0	0.006068	114	0.006068	880800.0	0	i	8	DG8S153	2	INVSNP
· 1	1	0	0.026316	114		0.026316	3.41E-13	1	14	DG8S153	1	INVSNP
1	1	0	0.132549 0.016573	114 114		0.132549	0	1		DG8S153	1	INVSNP
i	i	ŏ	0.056199	114		0.016573 0.056199	1.14E-13 -1.14E-13	1 1		DG8S153	2	INVSNP
1	1	0	0.005205	114	0.005205			1		DG8S153 DG8S153	1 2	INVSNP INVSNP
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	1	1	٥	0.02193	114	0.02193	3 0.0219	3 3.41E-13	1	4	DG8S153		1 INVSNP
	1	- 1	0	0.008772	114	0.008772			i	12			1 INVSNP
	1	1	0	0.004386	114	0,004386			i				
	0.999903	1	0	0.335315		0.33531				-4			1 INVSNP
	0.999903	1	0			0.0493			1	4			I INVSNP
	0.999903	- i	ō	0.019748					1	4	DG8S155		2 INVSNP
	0.999903	1	Ö	0.037944		0.019748			1	8	DG8S155	•	i invsnp
						0.037844			1	8	DG8S165	2	2 INVSNP
	0.999903	1	0	0.042665		0.042668	0.042666	3 1.49E-08	1	2	DG8S155		I INVSNP
	0.999903	- 1	0	0.034258		0.034258	3 0.034258	3 1.49E-08	1	2	DG8S155	- 2	
	0.999903	1	0	0.02594	52	0.02594	0.02594	1.49E-08	1	6	DG8S155		INVSNP
	0.999903	- 1	0	0.166368	52	0.166368			1	6	DG8S155	ž	
	0.999903	1	0	0,028846	52	0.028846			i	14		1	
	0.999903	1	0	0.076923		0.076923							
	0.999903	1	ō	0.093754	52	0.093754			1	0	DG8S155	1	
	0.999903	1	ō	0.021631	52				1	10		1	
	0.999903	i	ŏ			0.021631			1	10		2	
				0.040271	52	0.040271			1	12	DG8S155	1	INVSNP
	0.999903	1	0	0.017422	52	0.017422			1	. 12	DG8S155	2	! INVSNP
	0.999903	1	0	0.008615	52	0.009615		1.49E-08	- 1	-10	DG8S155	2	INVSNP
	1	1	0	0.12722	115	0.12722	0.12722	. 0	1	6	DG8S156	1	
	1	1	0	0.255389	115	0.255389	0.255389	0	1	6	DG8S156	2	
	1	1	0	0.529302	115	0.529302	0.529302	. 0	1	ō	DG8S156	1	
	1	1	0	0.062002	115	0.062002			1	ŏ	DG8S156	2	
	1	1	0	0.017391	115	0.017391			1	-6			
	1	1	ō	0.008696	115	0.008698					DG8S156	2	
	i	1	ő	0.802151	93				1	9	DG8S156	2	
	i	i	Ö			0.602151		_	1	0	DG8S159	1	
			_	0.327957	93	0.327957			1	0	DG8S159	2	INVSNP
	1	1	0	0.05914	93	0.05914			1	-2	DG8S159	, 1	INVSNP
•	1	1	0	0.010753	93	0.010753			1	2	DG8S159	2	
	0.999992	1	0	0.440344	121	0.440344	0.440344	1.11E-10	1	0	DG8S161	. 1	
•	0.999991	1	0	0.026598	121	0,026598	0.026598	1.24E-10	1	ò	DG8S161	2	INVSNP
	0.999991	1	0	0.200152	121	0.200152			1	2	DG8S161	1	INVSNP
	0.999992	1	0	0.332906	121	0.332906			i	2			
	1	1	0	0.101284	126	0.101264					DG8S161	2	INVSNP
	i	1	ō	0.323339	126	0.323339		5.68E-14	1	0	DG8S163	1	INVSNP
	i	i	ő	0.557466				1.14E-13	1	0	DG8S163	2	INVSNP
	•	1			126	0.557488			1	3	DG8S163	-1	INVSNP
	1		0	0.017931	126	0.017931		1.14E-13	1	3	DG8S163	2	INVSNP
	1	1	0	0.088646	114	0.088646	0.088646	-1.14E-13	1	0	DG8S170	1	INVSNP
	1	1	0	0.222757	114	0.222757	0.222757	-1.14E-13	1	0	DG8S170	2	INVSNP
	1	1	0	0.569248	114	0.569248	0.569248	1.14E-13	1	2	DG8S170	1	INVSNP
	1	1	0	0.10619	114	0.10619	0.10819	0	1	2	DG8S170	2	INVSNP
	1	1	0	0.013158	114	0.013158		ō	i	-4	DG8S170	2	
- (	886669.0	1	0	0.298785	87	0.298785		5.57E-12	i	14	DG8S177		INVSNP
- (	866666.0	1	o	0.172479	87	0.172479		5.34E-12				1	INVSNP
	0.999999	1	ŏ	0.197931	87	0.197931			1	14	DG8S177	2	INVSNP
	0.999999	i	ŏ	0.037702	87			3.41E-12	1	12	DG8S177	1	INVSNP
	0.999998	i	ŏ				0.037702	1.36E-12	1	12	DG8S177	2	INVSNP
				0.01485	87	0.01485	0.01485	4.21E-12	1	18	DG8S177	1	INVSNP
	0.999998	1	0	0.042622	87		0.042622	5.00E-12	1	18	DG8S177	2	INVSNP
	0.999998	1	0	0.078902	87		0.078902	4.66E-12	1	O	DG8S177	1	INVSNP
	899999	1	0	0.013052	87	0.013052	0.013052	4.09E-12	1	0	DG8\$177	2	INVSNP
(	3.99998	1	0	0.047463	87	0.047463	0.047463	5.57E-12	1	16	DG8S177	1	INVSNP
(	866666.0	1	0	0.067479	87	0.067479		5.57E-12	i	16	DG8S177	2	
C	3.999998	1	0	0.028736	87	0.028738		5.68E-12	i	10			INVSNP
	1	1	ō	0.545727	91	0.545727	0.545727				DG8S177	1	INVSNP
	i	i	ō	0.025702	91		0.025702	0	1	0	DG8S179	1	INVSNP
	i	i	ŏ					0	1	0	DG8S179	2	INVSNP
				0.141088	91	0.141086		0	1	7	DG8S179	1	INVSNP
	1	1	0	0.287485	91	0.287485		0	1	7	DG8S179	2	INVSNP
	1	1	.0	0.099143	83	0.099143	0.099143	-5.68E-13	1	10	DG8S181	1	INVSNP
	1	1	0	0.159893	83	0.159893	0.159893	-1.14E-13	1	10	DG8S181	2	INVSNP
	1	1	0	0.249128	83	0.249128	0.249128	-4.55E-13	1	12	DG8S181	1	INVSNP
	1	1	0	0.015933	83	0.015933	0.015933	-4.55E-13	1	12	DG8S181	ż	INVSNP
	1	1	0	0.044465	83	0.044465	0.044485	-3.41E-13	i	4	DG8S181	1	INVSNP
	1	1	a	0.057945	83	0.057945		-1.14E-13	i	4	DG8S181		
	1	1	0	0.084337	83	0.084337	0.084337	-3.41E-13				2	INVSNP
	i	1	ŏ	0.204819	83				1	0	DG8S181	2	INVSNP
	i	i	ŏ					-3.41E-13	1	8	DG8S181	1	INVSNP
				0.022928	83			-1.14E-13	1	16	DG8S181	1	INVSNP
	1	1	0	0.007193	83			-2.27E-13	1	16	DG8\$181	2	INVSNP
	1	1	0	0.012048	83	0.012048	0.012048	-3.41E-13	1	18	DG8S181	2	INVSNP
	1	1	0	0.042169	83	0.042169	0.042169	-3.41E-13	1	14	DG8S181	1	INVSNP
	.99993	1	0	0.648218	127	0.648218	0.648218	8.49E-11	i	0	DG8S182	i	INVSNP
0	.999993	1	0	0.241546	127			8.43E-11	i	ŏ	DG8S182	2	
0	.999993	1	0	0.005328	127		0.005328	8.74E-11	i	-3	DG8S182		INVSNP
	.999993	1	ō	0.10491	127	0.10491	0.10491	8.12E-11				1	INVSNP
	.999997	i	ŏ	0.482658	63				1	-3	DG8S182	2	INVSNP
	.999998	i	Ö				0.482658	1.05E-11	1	0	DG8\$188	1	INVSNP
				0.27131	63	0.27131	0.27131	9.55E-12	1	0	DG8S188	2	INVSNP
	.999998	1	0	0.128453	63		0.128453	6.54E-12	1	-1	DG8S188	1	INVSNP
	.999998	1	0	0.117579	63		0.117579	6.08E-12	1	-1	DG8S188	2	INVSNP
	.999385	1	0	0.353003	95	0.353003	0,35301	5.93E-07	1	0	DG8S192	ī	INVSNP
	.999386	1	0	0.173313	95		0.173308	6.93E-07	i	ŏ	DG8S192	ż	INVSNP
0,	.999386	1	O	0.102711	95	0.102711	0.10271	5.92E-07	i	2	DG8S192		
0.	999386	1	Ō	0.092026	95		0.092027	5.92E-07	i	2		1	INVSNP
	989386	1	ō	0.005749	95	0.005749	0.00575				DG8S192	2	INVSNP
	989386	i	ŏ	0.01004	95	0.003749		5.92E-07	1	16	DG8S192	1	INVSNP
٠.		•	J	0.01004	e J		0.01004	6.92E-07	1	16.	DG8S192	2	INVSNP
						_	10 4	100					

					•	5 11,50					•	
0.999386	1	0	0.093843	95	0.093843	0.09384	5.92E-07	1	-2	DG8S192	1	INVSNP
0.999386	i	ō	0.016884	95	0.016684	0.016687	5.92E-07	1	-2	DG8S192	2	INVSNP
0.999386	i	ŏ	0.088837	95	0.068837	0.068829	5.91E-07	i	4	DG8S192	1	INVSNP
0.999386	1	Ö	0.004847	95	0.003837	0.003828	5.92E-07	i	4	DG8S192	2	INVSNP
0.999386	i	ő.	0.054804	95	0.054804	0.05481	5.91E-07	1	12	DG8S192	1	INVSNP
0.999386	1	o.	0.013617	95	0.013617	0.034612	5.93E-07	1	12	DG8S192	ż	INVSNP
0.999386	i	Õ	0.010517	<b>95</b>	0.010526	0.010526	5.92E-07	i	10	DG8S192	2	INVSNP
D.899300 1	i	Ö	0.57531	120	0.57531	0.57531	-5.68E-14	1	0	DG8S192	1	INVSNP
•	1	ő	0.053857	120	0.053857	0.053857	0.00=14	1	ő	DG8S197	2	INVSNP
1	1	Ö	0.053657	120			-	1	1		1	
1	1	٥	0.308643	120	0.06219	0.06219	-5.68E-14	1		DG8S197		INVSNP INVSNP
1	-			100	0.308643	0.308643	-5.68E-14	1	1	DG8S197	2 1	
1	1	0	0.391583		0.391583	0.391583	-1.14E-13	1	ö	DG8S201 DG8S201		INVSNP
1	1	. 0	0,123417	100	0.123417	0.123417	-1.14E-13		_		2	INVSNP
1	1	0	0.123408	100	0.123408	0.123408	-1.14E-13	1	4	DG8S201	1	INVSNP
1	1	0	0.161592	100	0.161592	0.161592	-1.14E-13	1	4	DG8S201	2	INVSNP
1	1	0	0.165009	100	0.185009	0.165009	-1.14E-13	1	-2	DG8S201	1	INVSNP
1	1	0	0.009991	100	0.009991	0.009891	0	1	-2	DG8S201	2	INVSNP
7	1	0	0.025	100	0.025	0.025	-1.14E-13	1	2	DG8S201.	2.	INVSNP
1	1	0	0.644	125	0.644	0.644	0	1	0	DG8S212	1.	INVSNP
1	1	0	0.336	125	0.338	0.336	0	1	0	DG8S212	2	INVSNP
1	1	0	0.02	125	0.02	0,02	0	1	2	DG8S212	2	INVSNP
0.999964	1	0	0.283213	86	0.283213	0.283214	2,05E-09	1	4	DG8S215	1	INVSNP
0.999964	1	0	0.33888	88	0.33888	0.338879	2.05E-09	1	4	DG8S215	2	INVSNP
0.999964	1	0	0.321438	88	0.321438	0.321437	2.05E-09	1	0	DG8S215	1	INVSNP
0.999964	1	0	0.056469	86	0.056469	0.05647	2.03E-09	1	. 0	DG8S215	2	INVSNP
1	1	0	0.137931	, 29	0.137931	0.137931	0	1	. 0	DG8S221	1	INVSNP
1	1	0	0.155172	29	0.155172	0.155172	0	1	0	DG8S221	ı 2	INVSNP
. 1	1	0	0.362069	29	0.362069	0.382069	0	1	5	DG8S221	1	INVSNP
1	. 1	0	0.155172	29	0.155172	0.155172	0	1	-2	DG8S221	1	INVSNP
1	1	0	0.068966	29	0.068988	0.068966	0	1	7	DG8S221	2	INVSNP
1	1	0	0.034483	29	0.034483	0.034483	0	1	4	DG8S221	1	INVSNP
1	1	0	0.086207	29	0.086207	0.086207	0	1	4	DG8S221	2	INVSNP
0.999993	1	0	0.231682	120	0.231682	0.231682	7.94E-11	1	0	DG8S232	1	INVSNP
0.999993	1	0	0.089152	120	0.089152	0,089152	7.81E-11	1	. 0	DG8S232	2	INVSNP
0.999993	1	0	0.22712	120	0.22712	0.22712	7.17E-11	1	2	DG8S232	1	INVSNP
0.999993	1	0	0.152048	120	0.152046	0.152046	6.92E-11	1	2	DG8\$232	2	INVSNP
0.999993	1	0	0.1375	120	0.1375	0.1375	8.00E-11	1	-8	DG8S232	, 1	INVSNP
0.999993	1	0	0.020319	120	0.020319	0.020319	7.48E-11	1	-4	DG8\$232	1	INVSNP
0.999993	1	0	0.083847	120	0.083847	0.083847	7.99E-11	1	-4	DG8S232	2	INVSNP
0.999893	1	0	0.012545	120	0.012545	0.012545	7.97E-11	1	4	DG8S232	1	INVSNP
0.999993	1	0	0.016621	120	0.016821	0.016621	7.99E-11	1	4	DG8S232	2	INVSNP
0.999993	1	0	0.029167	120	0.029167	0.029167	8.00E-11	1	-2	DG8S232	1	INVSNP
1	1	0	0.547244	127	0.547244	0.547244	0	1	0	DG8S238	1	INVSNP
1	1	0	0.358268	127	0.358268	0.358268	0	1	0	DG8S238	2	INVSNP
1	1	0	0.094488	127	0.094488	0.094488	0	1	-8	DG8S238	1	INVSNP
1.	1	0	0.577257	83	0.577257	0.577257	5.68E-14	1	4	DG8S242	. 1	INVSNP
1	1	0	0.085394	83	0.085394	0.085394	5.68E-14	ī	4	DG8S242	2	INVSNP
1	1	0	0.079369	83	0.079369	0,079369	5.68E-14	1	0	DG8S242	1	INVSNP
1	1	0	0.25798	83	0.25798	0.25798	6.68E-14	1	0	DG8S242	2	INVSNP
0.999998	1	0	0.576849	81	0.576849	0.576849	7.62E-12	1	0	DG8S245	1	INVSNP
868669.0	1	0	0.305867	B1	0.305887	0.305867	7.45E-12	1	0	DG8S245	2	INVSNP
0.999998	1	0	0.05249	81	0.05249	0.05249	6.20E-12	1	-4	DG8S245	1	INVSNP
86666.0	1	0	0.027757	81	0.027757	0.027757	4.49E-12	1	-4	DG8S245	2	INVSNP
0.899998	1	0	0.024982	81	0.024982	0.024982	7.84E-12	1	4	DG8S245	1	INVSNP
0.999998	1	0	0.012055	81	0.012055	- 0.012055	7.05E-12	1	4	DG8S245	2	INVSNP
0.999993	1	0	0.351139	125	0.351139	0,351139	8.16E-11	1	0	DG8S249	1	INVSNP
0.899993	1	0	0.256861	125	0.256861	0.256881	8.08E-11	1	0	DG8S249	2	INVSNP
0.999993	1	0	0.179888	125	0.179888	0.179888	7.98E-11	1	-19	DG8S249	1	INVSNP
0.999993	1	0	0.008112	125	0.008112	0.008112	7.74E-11	1	-19	DG8S249	2	INVSNP
0.999992	1	0	0.012	125	0.012	0.012	8.86E-11	1	-17	DG8S249	2	INVSNP
0.999992	1	0	0.016	125	0.016	0.016	8.86E-11	1	-21	DG8S249	1	INVSNP
0.999993	1	0	0.051345	125	0.051345	0.051345	8.80E-11	1	-2	DG8S249	1	INVSNP
0.999993	1	0	0.028655	125	0.028655	0.028655	8.75E-11	1	-2	DG8S249	2	INVSNP
0,999992	1	0	0.008	125	0.008	0.008	8.86E-11	1	6	DG8S249	2	INVSNP
0.999993	1	0	0.005628	125	0.005628	0.005628	8.82E-11	1	2	DG8S249	1	INVSNP
0.999992	1	0	0.018372	125	0.018372	0.018372	8.84E-11	1	2	DG8S249	2	INVSNP
0.989992	1	0	0.032	125	0.032	0.032	8.86E-11	1	-6	DG8S249	1	INVSNP
0,999992	1	0	0.008	125	0.008	0.008	8.86E-11	1	4	DG8S249	2	INVSNP
0.999992	1	0	0.024	125	0.024	0.024	8.86E-11	1	-4	DG8S249	2	INVSNP
0.999942	1	o	0.018288	91	0.018288		5.27E-09	1	-10	DG8S250	1	INVSNP
0.999942	1	ŏ	0.01468	91	0.01468		5.25E-09	1	-10	DG8S250	2	INVSNP
0.999942	1	ă	0.181834	91	0.181834		5.26E-09	1	-4	DG8S250	1	INVSNP
0.999942	i	ŏ	0.059924	91	0.059924	0.059925	5.26E-09	i	-4	DG8S250	ż	INVSNP
0.999942	1	ő	0.038825	91	0.038825	0.038825	5.26E-09	i	2	DG8S250	1	INVSNP
0.999942	i	ő	0.054581	91	0.054581	0.054581	5.27E-09	i	2	DG8S250	ż	INVSNP
0.999942	í	ŏ	0.034081	91	0.11064	0.11064	5.26E-09	1	4	DG8S250	1	INVSNP
0.999942	i	ő	0.098151	91	0.098151		5.26E-09	i	4	DG8S250	2	INVSNP
0.999942	1	ő	0.088131	91	0.08147	0.061471	5.26E-09	i	-2	DG8S250	1	INVSNP
0.999942	1	ö	0.05147	91	0.015453		5.25E-09	1	-2	DG8S250	2	INVSNP
0.999942	1	ö	0.156164	91	0.015453	0.015452	5.24E-09	1	0	DG8S250	1	INVSNP
0.999942	1	0	0.156164	91	0.100104	0.138103	5.25E-09	i	ŏ	DG8S250	2	INVSNP
0.999942	1	Ö	0.074606	91 91	0.074606		5.28E-09	i	8	DG8S250	1	INVSNP
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0.989842   0					•		2012	V					
0.00000000000000000000000000000000000						0.00891	9 0.0089	2 5.26E-0	9 1	-6	DG85250		1 INVSNP
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0.999999 1 0 0.034429 122 0.034429 122 0.034429 1.035429			_	-10,00,							DG8S257		
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0.999994         1         0         0.02576         79         0.02578         0.02578         4.81E-11         1         2         DG8S271         2         INV           0.999994         1         0         0.006329         79         0.006329         0.006329         4.81E-11         1         2         DG8S271         2         INV           0.999969         1         0         0.005376         93         0.005376         0.005376         1.51E-09         1         -8         DG8S277         1         INV           0.999969         1         0         0.039164         93         0.192029         0.19203         1.50E-09         1         10         DG8S277         1         INV           0.999969         1         0         0.039164         93         0.039153         1.50E-09         1         10         DG8S277         1         INV           0.999969         1         0         0.03164         93         0.319108         0.319108         1.51E-09         1         0         DG8S277         1         INV           0.999969         1         0         0.03849         93         0.008849         1.51E-09         1         0												2	INVSNP
0.999994         1         0         0.006329         79         0.006329         0.006329         4.81E-11         1         2         DG8S271         2         INV           0.999969         1         0         0.005376         93         0.005376         0.005376         1.51E-09         1         -8         DG8S277         1         INV           0.999969         1         0         0.192029         93         0.192029         0.19203         1.50E-09         1         10         DG8S277         1         INV           0.999969         1         0         0.039164         93         0.039154         0.039153         1.50E-09         1         10         DG8S277         1         INV           0.999969         1         0         0.319108         93         0.319108         0.319108         1.51E-09         1         0         DG8S277         1         INV           0.999969         1         0         0.03849         93         0.008849         1.51E-09         1         0         DG8S277         1         INV           0.999969         1         0         0.025918         93         0.025918         1.50E-09         1         -2													INVSNP
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0.999969 1 0 0.005376 93 0.005376 0.005376 1.51E-09 1 6 DG8S277 2 INV												2	INVSNP
2 INV					_					_			INVSNP
									,		JG652//	2	INVSNP

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0.999969	1	0	0.012148	93	0.012148	0.012148	1.50E-09	1	12	DG8S277		1 INVSN
0.999969	1	õ	0.003981	93	0.003981	0.003982	1.50E-09	i	12	DG8S277		2 INVSN
0.999985	1	ō	0.429558	116	0.429556	0.429557	3.65E-10	1	0	DG8S2(7		1 INVSN
0.999984	1	ō	0,186823	116	0.186823		3.96E-10	i	0	DG8S285		2 INVSN
0.999984	1	Ō.	0.158946	116		0.158946	3.81E-10	i	2	DG8S285		1 INVSN
0.999984	1	ŏ.	0.151399	116	0.151399	0.151389	3.81E-10	1	2	DG8S285		2 INVSN
0.999984	1	ō	0.045119	116	0.045119	0.045119	4.01E-10	i	1	DG8S285		1 INVSN
0.999984	- i	ō	0.015226	116	0.015226	0.015226	3.88E-10	1	1	DG8S285		2 INVSN
0.999984	1	õ	0.012931	116	0.012931	0.012931	4.04E-10	1	-1	DG8S285		1 INVSN
0.899999	1	ŏ	0.436406	105	0.438406		4.55E-13	i	0			1 INVSN
0.999999	i	ō	0.130261	105	0.130261	0.130261	5,68E-13	1	0	DG8S291		
0.999999	i	ŏ	0.052381	105	0.052381	0.052381	4.55E-13	1	-2	DG8S291 DG8S291		2 INVSN 2 INVSN
1	i	ŏ	0,123579	105	0.123579		3.41E-13	1	4	DG8S291		1 INVSN
0.9999999	1	·ō	0.081183	105	0.081183		4.55E-13		4			2 INVSN
1	i	ŏ	0.063824	105	0.063824	0.063824	1.14E-13	1		DG8S291		1 INVSN
i	i	ŏ	0,093319	105	0.093319	0.003324	1.14E-13	1	2 2	DG8S291		
0,999999	i	ŏ	0.019048	105	0.030018	0.033318	4.55E-13	1	6	DG8S291		
0.999935	i	ő	0.409193	124	0.409193	0.409194	6.55E-09	1		DG8S291		2 INVSN 1 INVSN
0.999936	i	ŏ	0.308549	124	0,308549	0.308548		1	2	DG8S292		
0.999936	i	ŏ	0.231936	124	0.231938		6.52E-09	1	2	DG8S292		2 INVSN
0.999936	1	ŏ	0,050322	124	0.050322		6.53E-09	1	0	DG8S292		1 INVSN
0.999983		Ö	0.100223	111		0.050323	6.53E-09	1	0	DG8S292		2 INVSN
	,1	Ö			0.100223	0.100223	4.49E-10	1	12	DG8S297		1 INVSN
0.999983	1		0.115994	111	0.115994	0.115994	4.34E-10	1	12	DG8\$297		2 INVSN
0.999983	1	0	0.391988	111	0.391988	0.391988	4.46E-10	1	0	DG8S297		1 INVSN
0.999983	1	0	0.026931	111	0.026931	0.026931	4.31E-10	1	0	DG8S297		2 INVSN
0.999983	1	0	0.009139	111	0.009139	0.009139	4.34E-10	1	4	DG8\$297		1 INVSN
0.999983	1	0	0.094464	111	0.094464	0.094464	4.35E-10	1	4	DG8\$297		2 INVSN
0.999983	1	0	0.078894	111	0.078894	0.078894	4.46E-10	1	18	DG8S297		1 INVSN
0.999983	1	0	0.020205	111	0.020205	0.020205	4.39E-10	. 1	16	DG8S297		2 INVSN
0.999983	1	0	0.004515	111	0.004515	0.004515	4.33E-10	1	8	DG8S297		1 INVSN
0.999983	1	0	0.018008	111	0.018008	0.018008	4.38E-10	1	8	DG8S297		2 INVSN
0.999983	1	0	0.008503	111	0.008503	0.008503	4.49E-10	1	-4	DG8S297		I INVSN
0.999983		0	0.005011	111	0.005011	0.005011	4.46E-10	1	-4	DG8S297	:	Nevni s
0.999983	1	0	0.004837	111	0.004837	0.004837	4.49E-10	1	18	DG8S297		I INVSN
0.999983	1	0	0.004172	111	0.004172	0.004172	4.49E-10	1	18	DG8S297		2 INVSN
0.999983	1	0	0.005589	111	0.005589	0.005589	4.41E-10	1	6	DG8S297		I INVSN
0.999983	1	0	0.016934	111	0.016934	0.016934	4.46E-10	1	6	DG85297		NOVAI 2
0.999983	1	0	0.00472	111	0.00472	0.00472	4.49E-10	1	10	DG8S297		INVSN
0.999983	1	0	0.026812	111	0.026812	0.026812	4.49E-10	1	10	DG8S297	:	NVSN
0.999983	1	0	0.026729	111	0.026729	0.026729	4.39E-10	1	14	DG8S297		INVSN
0.999983	1	0	0.03183	111	0.03183	0.03183	4.40E-10	1	14	DG85297	- 1	
0.999983	1	0	0.004505	111	0.004505	0.004505	4.49E-10	1	-2	DG8S297		INVSN
1	1	0	0.469828	116	0.469828	0.469828	0	1	0	DG8S298		
1	1	0	0.340517	116	0.340517	0.340517	0	1	0	DG8S298	- 2	
1	1	0	0.172414	116	0.172414	0.172414	0	1	2	DG8S298	1	
1	1	0	0.017241	116	0.017241	0.017241	0	1	1	DG8S298	. 1	
0.99998	1	0	0.529405	117	0.529405	0.529404	6.31E-10	1	0	DG8\$301		
0.99998	1	0	0.26974	117	0.26974	0.269741	6.60E-10	1	0	DG8S301	2	
0.999979	1	0	0.107347	117	0.107347	0.107348	6.65E-10	1	1	DG8S301	1	
0.999979	1	0	0.093508	117	0.093508	0.093507	6.65E-10	1	1	DG8\$301	2	
1	1	0	0.285622	117	0.285622	0.285622	1.14E-13	1	26	DG8S302	1	
1	1	0	0.120361	117	0.120361	0.120361	1.14E-13	1	26	DG8S302	2	
1	1	0	0.141026	117	0.141026	0.141026	0	1	24	DG8S302	1	
1	1	Ð	0.09472	117	0.09472	0.09472	-2.27E-13	1	28	DG8S302	1	
1	1	0	0.174511	117	0.174511	0.174511	1.14E-13	1	28	DG8S302	2	
1	1	0	0.051282	117	0.051282	0.051282	0	1	30	DG8S302	2	
1	1	0	0.132479	117	0.132479	0.132479	0	1	0	DG8S302	1	INVSNE
0.999995	1	0	0.41528	125	0.41528	0.41528	3.34E-11	1	2	DG8S303	1	INVSNE
0.999995	1	0	0.30072	125	0.30072	0.30072	3.19E-11	1	2	DG8S303	2	
0.999995	1	0	0.004	125	0.004	0.004	4.27E-11	1	4	DG8S303	1	INVSNE
0.999996	1	0	0.23272	125	0.23272	0.23272	3.02E-11	1	2	DG8S303	1	INVSNE
0.999995	1	0	0.04728	125	0.04728	0.04728	3.87E-11	1	-2	DG8S303	2	
0.999973	1	0	0.097119	56	0.097119	0.097119	1.14E-09	1	0	DG8S307	1	INVSNE
0.999973	1	0	0.081453	56	0.081453	0.081453	1.14E-09	1	0	DG8S307	2	INVSNE
0.999973	1	0	0.478121	56	0.478121	0.47812	1.11E-09	1	4	DG8S307	1	INVSNE
0.999973	1	0	0.182593	56	0.182593	0.182594	1.14E-09	1	4	DG8S307	2	INVSNF
0.999973	1	0	0.07067	66	0.07087	0.07067	1.14E-09	1	-4	DG8S307	Ĩ	INVSNE
0,999973	1	0	0.018616	56	0.018618	0.018616	1.14E-09	1	-4	DG8S307	2	INVSNF
0.999973	1	Ō	0.041591	56	0.041591	0.041591	1.14E-09	i	8	DG8S307	1	INVSNE
0.999973	1	Ō	0.029838	56	0.029838	0.029838	1.14E-09	i	8	DG8S307	2	INVSNE
0.999995	1	Ö	0.397395	102	0.397395		3.68E-11	i	ŏ	DG8S308	1	INVSNE
0.999986	1	ō	0.21535	102	0.21535	0.21535	3.08E-11	1	ŏ	DG8S308	2	INVSNE
0.999995	1	ō	0.122939	102			3.81E-11	i	2	DG8S308	1	INVSNE
0.999998	1	ŏ	0.083335	102	0.083335	0.063335	3.09E-11	i	2	DG8S308	2	INVSNP
0.989994	1	ŏ	0.040007	102	0.040007	0.040007	5.12E-11	i	-14	DG8S308	1	INVSNE
0.999994	i	ŏ	0.067836	102	0.067838	0.067836	5.24E-11	i	-14	DG8S308	. 2	INVSNP
0.999994	1	ō	0.027894	102		0.027894	5.39E-11	i	-4	DG8S308	. 1	INVSNP
0.999994	i	ō	0.011321	102	0.011321	0.011321	5.29E-11	i	-4	DG8S308	2	
0.999994	i	Ö	0.029412	102	0.029412		5.51E-11	i	- <del></del>	DG8S308		INVSNP
0.999994	1	ŏ	0.023412	102		0.025412	5.51E-11	1	-0 -2	DG8S308	1	INVSNP
0.999994	i	Ö	0.019608	102	0.004802	0.019808	5.51E-11	1	-2 4	DG8S308	2	INVSNP
1	1	ŏ	0.010753	93	0.010753	0.010753	2.27E-13	1	8	DG8S316	1	INVSNP
i	i	Ö	0.341125	93		0.341125	1.14E-13	1	10	DG8S316	1	INVSNP
•	•	-		50				•	10		1	INVSNP

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		_				•						
1 1	1	0	0.008338 0.090976	93 93	0.008338 0.090976	0.008338	0 -1.14E-13	1	10	DG8S316	2	INVSNP
. i	1	ő	0.274616	93	0.274618		2.27E-13	1	0	DG8S316 DG8S316	1 2	INVSNP
· ;	1	ō	0.07174	93	0.07174	0.07174	-1.14E-13	1	12	DG8S316	1	INVSNP
1	1	0	0.019658	93		0,019658	0	1	12	DG8S316	ż	INVSNP
1	1	0.	0.125192	93	0.125192		1.14E-13	1	14	DG8S316	1	INVSNP
1	1	0	0.036098	93	0.036098		0	1	14	DG8S316	2	INVSNP
1	1	0	0.021505	93	0.021505	0.021505	2.27E-13	1	16	DG8S316	1	INVSNP
1	1	0	0.358222	98	0.358222		0	1	2	DG8S322	1	INVSNP
1	1	0	0.094903 0.015625	96 98	0.094903 0.015625	0.094903	0	1	2 10	DG8S322 DG8S322	2 1	INVSNP INVSNP
i	i	ő	0.063653	98	0.063653	0.013623	-1.14E-13	i	0	DG8S322	i	INVSNP
1	1	ō	0.259263	98	0.259283	0.259263	1.14E-13	1	ŏ	DG8S322	2	INVSNP
1	1	0	0.145833	96	0.145833	0.145833	0	1	4	DG8S322	1	INVSNP
1	1	Ō	0.0825	96	0.0625	0.0625	. 0	1	6	DG8S322	1	INVSNP
0.999954	1	0	0.427397	100	0.427397		3.30E-09	1	0	DG8S323	1	INVSNP
0.999954	1	0	0.262604	100	0.262604	0.262602	3.34E-09	1	0	DG8S323	2	INVSNP
0.999954 0.999954	1	0	0,252603 0.057397	100 100	0.252603 0.057397		3.30E-09 3.32E-09	1	5 5	DG8S323 DG8S323	1 2	INVSNP
0.998918	1	ő	0.037357	104	0.037397	0.037398	1.84E-06	1	0	DG8S323	1	INVSNP
0.998918	i	ō	0.19217	104	0.19217	0,192169	1.84E-06	i	ŏ	DG8S324	2	INVSNP
0.998918	1	ō	0.009815	104		0.009615	1.84E-06	1	10	DG8S324	2	INVSNP
0.998918	1	0	0.093586	104	0.093586	0.093586	1.84E-06	1	8	DG8S324	1	INVSNP
0.998918	1	0	0.098722	104	0.098722	0.098722	1.84E-06	1	8	DG8S324	2	INVSNP
0.998918	1	0	0.096154	104	0.098154	0.098154	1.84E-06	1	6	DG8S324	1	INVSNP
0.898919	1	0	0.124015 0.000985	104 104	0.124015	0.124008	1.84E-06	1	4	DG8S324	1 2	INVSNP INVSNP
0.998919 0.998918	1	0	0.238992	104		0.000992	1.84E-06 1.84E-06	1	2	DG8S324 DG8S324	' 1	INVSNP
0.998918	i	Ď	0.011008	104	0.011008	0.011002	1.84E-06	i	2	DG8S324	2	INVSNP
0.998918	1	ō	0.019231	104	0.019231		1.84E-06	i	12	DG85324	2	INVSNP
0.999689	1	0	0.127469	111	0.127469	0.127469	1.52E-07	1	-4	DG8S332	1	INVSNP
0.999689	1	0	0.052711	111	0.052711	0.052711	1.52E-07	1	-4	DG8S332	2	INVSNP
0.999689	1	0	0.050778	111	0.050778	0.050779	1.52E-07	1	4	DG8S332	1	INVSNP
0.999689	1	0	0.030303	111	0.030303		1.52E-07	1	4	DG8S332	2	INVSNP
0.999689 0.999689	1	Ö	D.106707	111 111	0.105005 0.106707	0.105003 0.106708	1.52E-07 1.52E-07	1	2 2	DG8S332 DG8S332	. 1	INVSNP INVSNP
0.999689	i	ŏ	0.185972	111	0.185972	0.18597	1.52E-07	1	-2	DG8S332	ī	INVSNP
0.999689	i	Ö	0.034749	111	0.034749		1.52E-07	1	-2	DG8S332	2	INVSNP
0.999689	1	0	0.114825	111	0.114825	0.114825	1.52E-07	1	Ö	DG8S332	1	INVSNP
0.999689	1	0	0.137427	111	0.137427		1.52E-07	1	0	DG8S332	2	INVSNP
0.999689	1	0	0.017069	111	0.017069	0.017069	1.52E-07	1	-8	DG8S332	1	INVSNP
0.999689	1	0	0.005454 0.029513	111	0.005454	0.005454	1.52E-07	1	-6	DG8S332	2	INVSNP
0.999689 888099.0	1	0	0.029513	111 111	0.029513 0.002018	0.029516 0.002016	1.52E-07 1.53E-07	1	6 6	DG8S332 DG8S332	1 2	INVSNP INVSNP
0.999997	i	ō	0.282444	101	0.282444	0.282444	1.27E-11	i	-5	DG8S333	1	INVSNP
0.999999	1	0	0.024487	101	0.024487		1.53E-12	1	-5	DG8\$333	2	INVSNP
0.999997	1	0	0.366071	101	0.366071	0.366071	1.30E-11	1	0	DG8S333	1	INVSNP
0.999997	1	Q	0.326998	101	0,326998	0.326998	1.30E-11	1	0	DG8S333	2	INVSNP
0.999983	1	0	0.354923	125	0.354923	0.354923	6.87E-11	1	1	SG08S100	1	INVSNP
0.999993	1	0	0.085077 0.285077	125 125	0.085077 0.285077	0.065078 0.285077	8.66E-11	1	1	SG08S100	. 2	INVSNP
0.999994 0.999993	1	0	0.294923	125	0.294923	0.205077	6.69E-11 6.65E-11	1	2 2	SG08S100 SG08S100	1 2	INVSNP INVSNP
0.999999	1	ŏ	0.508188	119	0.508186	0.508186	1.71E-12	į	1	SG08S102	1	INVSNP
1	1	ō	0.025427	119	0.025427	0.025427	3.41E-13	i	i	SG08S102	ż	INVSNP
0.999999	1	0	0.155679	119	0.155679	0.155679	1.53E-12	1	2	SG08S102	1	INVSNP
0.999999	1	0	0.310707	119	0.310707	0.310707	1.65E-12	1	2	SG08S102	2	INVSNP
0.99998	1	0	0.501608	123	0.501608		2.49E-09	1	0	SG08S112	1	INVSNP
0,99996 0.99996	1	0	0.209774 0.152864	123		0.209775	2.48E-09	1	0	SG08S112	2	INVSNP
0.99996	1	ő	0.135754	123 123	0.152864 0.135754		2.49E-09 2.49E-09	1	2 2	SG08S112 SG08S112	1 2	INVSNP
1	i	ŏ	0.667195	124	0.567195		0	i	ō	SG08S120	1	INVSNP
i	1	ō	0.053773	124		0.053773	ŏ	1	ŏ	SG08S120	2	INVSNP
1	1	0	0.094096	124	0.094096	0.094096	0	1	2	SG08S120	1	INVSNP
1	1	0	0.284937	124	0.284937		O	1	2	SG08S120	2	INVSNP
0.999997	1	0	0.608234	122		0.608234	9.89E-12	1	0	SG08S138	1	INVSNP
0.999998 0.999999	1	0	0.137668	122		0.137668	8.41E-12	1	0	SG08S138	2	INVSNP
0.999998	1	0	0.039307 0.214791	122 122	0.039307 0.214791	0,039307 0,214791	3.01E-12 9.27E-12	1	2 2	SG08S138 SG08S138	1 2	INVSNP
0.000000	1	ŏ	0.524172	126		0.524172	1.36E-12	4	ō	SG08S15	1	INVSNP
0.999999	1	Ō	0.055194	126	0.055194		4,55E-13	1	ō	SG08S15	2	INVSNP
0.999999	1	0	0.126622	128	0.126622		1.14E-12	1	2	SG08S15	1	INVSNP
0.999999	1	0	0.294013	128	0.294013	0.294013	1.25E-12	1	2	SG08S15	2	INVSNP
0.99998	1	0	0.10833	124	0.10833	0.10833	6.03E-12	1	0	SG08S26	1	INVSNP
0.999998 0.999998	1	0	0.294896 0.540864	124	0.294896 0.540864		7.96E-12	1	0 2	SG08S26	2 1	INVSNP
0.999999	1.	0	0.055911	124 124	0.055911	0.540864 0.055911	8.30E-12 3.41E-12	1	2	SG08S26 SG08S26	2	INVSNP
0.999999	i	Ö	0.033811	124	0.033311		2.16E-12	1	2,	SG08S27	1	INVSNP
0.000000	i	ō	0.296011	124	0.296011		2.61E-12	i	2	SG08S27	2	INVSNP
0.999999	1	ō	0.546011	124	0.546011	0.546011	2.81E-12	1	1	SG08S27	1	INVSNP
0.999999	1	0	0.046731	124	0.046731	0.046731	1.02E-12	1	1	SG08S27	2	INVSNP
0.899999	1	0	0.585373	125	0.585373	0.585373	5.12E-13	1	1	SG08S32	1	INVSNP
0.999999 1	1	0	0.078627	125	0.078627	0.078627	3.98E-13	1	1	SG08S32	2	INVSNP
1	٠	0	0.070627	125	0.070627		2.84E-13	1	0	SG08S32	1	INVSNP
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0.99999		1 (			0.26537	3 0,26537	3 6.12E-13	3 1	(	SG08S32		2 INVSNE
0.999984		1 (		3 123	0.28764	3 0.28764						1 INVSNP
0.999984		1 (	,	3 123	0.31398				1			
0.999984	4 .	1 (	0.35869	8 123					ž			2 INVSNP
0.999884	1 .	1 0	0.03967									1 INVSNP
0.999994		1 0							2			2 invsnp
0.999994		1 0							1			1 INVSNP
0.99999		1							1			2 INVSNP
0.999995		, 0						1	0	SG08S39		1 INVSNP
							7 4.71E-11	1	0	SG08S39		2 INVSNP
0.999958					0.32011	8 0.32011	7 2.75E-09	1	0			1 INVSNP
0.999958		1 0			0.07244	4 0.07244	5 2.76E-09		Q			2 INVSNP
0.999958	} 1	10	0.332774	4 121	0.33277				2			
0.999958	3 1	ı a	0.274683	3 121				-	2			INVSNP
0.99999	1	1 0									2	
0.99999									1		1	
0.999991									1	SG08S46	2	2 INVSNP
0.999991									3		1	I INVSNP
					0.305083			1	3	SG08S46	2	NVSNP
1					0.583174			1	D	SG08S5	. 1	
1					0.030647	7 0.030647	7 0	1	0	SG08S5	2	
1					0.083187	7 0.063167	7 0		2	SG08S5	1	
1		0	0.323012	123	0.323012	2 0.323012	2 -5.68E-14		2	\$G08\$5	2	
0.999974	- 1	. 0	0.368417	125	0.388417			i	2			
0.999974	- 1	0	0.079583	125	0.079583			4	2	SG08S50	1	
0.999974	1	0	0.279583		0.279583		-			SG08S50	2	
0.999974								1	0	SG08S50	1	
0.999973			0.456715		0.272417			1	0	\$G08\$50	2	INVSNP
0.999973		-			0.456715			1	0	SG08\$508	1	INVSNP
		_	0.100662		0.100682		1.12E-09	1	٥	\$G08\$506	١ 2	INVSNP
0.999973	_	0	0.199023		0.199023	0.199023	1.11E-09	1	2	SG08S508	1	
0.099973	1	0	0.2436	122	·0.2436	0.2438	1.11E-09	1	2	SG08S508	2	
0.999969	1	0	0.398835	126	0.398835	0.398835		1	2	SG08S507	1	
0.999969	1	0	0.0218	126	0.0218			1	2	SG08S507		
0.999969	1	0	0.251958		0.251958			i	3		2	
0.999969	1	0	0.327407		0.327407					SG08S507	1	INVSNP
0.999986	1	ō	0.452263		0.452263			1	3	SG08S507	2	
0.999986	i	ŏ	0.027076					1	1	SG08S508	1	INVSNP
0.999986	1	ŏ			0.027076			1	1	SG08S508	2	INVSNP
0.999986			0.213027	121	0.213027			1	3	SG08S508	1	INVSNP
	1	0	0.307634	121	0.307634		3.14E-10	1	3	SG08S508	2	INVSNP
0.99999	1	0	0.431315	117	0.431315	0.431315	1.48E-10	1	1	SG08S510	1	INVSNP
0.99999	1	0	0.320821	117	0.320821	0.320821	1.47E-10	1	1	SG08S510	2	INVSNP
0.89999	- 1	0	0.239825	117	0.239625	0.239625	1.45E-10	1	ò	SG08S510	1	
0.999991	1	0	0.008238	117	0.008238		1.37E-10	i	ō			INVSNP
0.999988	1	0	0.122008	104	0.122008			-		SG08S510		INVSNP
0.999986	1	ō	0.233761	104	0.233761		3.28E-10	1	1	SG08S511	1	INVSNP
0.999987	1	ă	0.531838	104			2.98E-10	1	1	SG08S511	2	INVSNP
0.999986	i	ő			0.531838		2.51E-10	1	3	SG08S511	1	INVSNP
			0.112392	104	0.112392		3.27E-10	1	3	SG08S511	2	INVSNP
0.999983	1	0	0.11373	122	0.11373	0.113731	4.47E-10	1	2	SG08S512	1	INVSNP
0.999983	1	0	0.23463	122	0.23463	0.23463	4.44E-10	1	2	SG08S512	ż	INVSNP
0.999983	1	0	0.542007	122	0.542007	0.542007	4.39E-10	1	1	SG08S512	1	INVSNP
0.989983	1	0	0.109632	122	0.109632	0.109632	4.47E-10	i	1	SG08S512	ż	
0.999998	1	0	0.503891	118	0.503891	0.503891	3.98E-12	i	i			INVSNP
0.999999	1	0	0.02577	118	0.02577	0.02577	6.82E-13			SG08S517	1	INVSNP
0.999998	1	0	0.152889	118	0.152889	0.152889		1	1	SG08S517	2	INVSNP
866660	1	ŏ	0.31745	118			3.58E-12	1	3	SG08S517	1	INVSNP
0.999989	i	ő			0.31745	0.31745	3.92E-12	1	3	SG08S517	2	INVSNP
0.000000		_	0.210076	123	0.210076	0.210076	1.74E-10	1	1	SG08S520	1	INVSNP
	1	0	0.310249	123	0.310249	0.310249	1.52E-10	1	1	SG08S520	2	INVSNP
0.99999	1	. 0	0.452526	123	0.452526	0.452526	1.55E-10	1	0	SG08S520	1	INVSNP
0.999989	1	. 0	0.027149	123	0.027148	0.027149	1.74E-10	1	0	SG08S520	2	INVSNP
0.999993	1	0	0.810402	122	0.610402	0.610402	7.37E-11	1	2	SG08S6	1	INVSNP
0,899993	1	0	0.16009	122	0.16009	0.16009	8.69E-11	i	2	SG08S8	ż	INVSNP
0.898993	1	0	0.045336	122	0.045338	0.045336	8.67E-11	i	õ	SG08S6		
0.999993	1	0	0.184172	122	0.184172	0.184172					1	INVSNP
0.999999	1	0	0,503969	120	0.503969		8.66E-11	1	0	SG08S6	2	Invsnp
1	1.	ŏ	0.025198	120			1.59E-12	1	1	SG08S70	1	INVSNP
0,999999	1	ō	0.154365		0.025198		2.27E-13	1	1	SG08S70	2	INVSNP
0.999999	i			120			1,36E-12	1	3	SG08\$70	1	INVSNP
		0	0.316469	120	0.316469		1.59E-12	1	3	SG08S70	2	INVSNP
0.999999	1	0	0.146941	119	0.146941	0.146941	4.55E-13	1	0	SG08S71	1	INVSNP
0.998999	1	0	0.323847	119	0.323647	0.323647	4.55E-13	1	ō	SG08S71	2	
0.999999	1	0	0.504319	119	0.504319		4.55E-13	1	2			INVSNP
1	1	0	0.025092	119	0.025092		1.14E-13	i	2	\$G08\$71	1	INVSNP
0.999997	1	0	0.499413	117	0.499413			-		SG08S71	2	INVSNP
0.998999	i	ŏ	0.026228	117			1.16E-11	1	3	SG08S73	1	INVSNP
0.998997	i	Ö			0.026228		2.22E-12	1	3	SG08S73	2	INVSNP
			0.154433	117	0.154433		1.03E-11	1	1	SG08S73	1	INVSNP
0.999997	1	0	0.319928	117	0.319926		1.14E-11	1	1	SG08S73	2	INVSNP
0.999998	1	0	0.468698	120		0.468698	5.00E-12	1	1	SG08S76	1	INVSNP
_ 1	1	0	0.010469	120	0.010469	0.010469	2.27E-13	1	i	SG08S78	ż	INVSNP
0.999998	1	0	0.185469	120		0.185469	4.89E-12	i	2	SG08S78		
0.999998	1	0	0.335365	120		0.335365	4.89E-12	i	2		1	INVSNP
0.999978	1	0	0.447056	122		0.447056	7.54E-10			SG08S76	2	INVSNP
	1	ō	0.093928	122				1	0	SG08S90	1	INVSNP
0.999978	i	ŏ	0.208682	122		0.093928	7.58E-10	1	0	SG08S90	2	INVSNP
0.999978	i	Ö				0.208682		1		SG08S90	1	INVSNP
			0.250335	122		0.250334		1		SG08S90	2	INVSNP
0.999946	1	0	0.557371	130	0.557371	0.55737	4.59E-09	1		SG08S93	1	INVSNP
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0.999946	1	0	0.265705	130	0.265705	0.265707	4.63E-09	1	1	SG08S93	2	INVSNP
0.999946	1	. 0	0.088782	130	0.088782	0.088784	4.83E-09"	1	2	SG08S93	1	INVSNP
0.999946	1	0	0.088141	130	0.088141	0.088139	4.63E-09	. 1	2	SG08S93	2	INVSNP
0.898936	1	0	0.316819	112	0.316819	0.316819	6.35E-09	1	0	SG08S94	1	INVSNP
0.999938	1	0	. 0.009074	112	0.009074	0.009074	6.34E-09	1	0	SG08S94	2	INVSNP
0.999938	1	0	0.357288	112	0.357288	0.357289	6.35E-09	1	2	SG08S94	1	INVSNP
0.999936	1	٥	0.316819	112	0.316819	0.316819	6.35E-09	1	2	SG08S94	2	INVSNP
1	1	0	0.061731	101	0.061731	0.061731	5.68E-14	1	2	SG08S95	1	INVSNP
1	1	0	0.304606	101	0.304606	0.304606	5.68E-14	1	2	SG08S95	2	INVSNP
1	1	0	0,601636	101	0.601636	0.601636	1.14E-13	1	3	SG08S95	1	INVSNP
1	1	0	0.032028	101	0.032028	0.032028	5.68E-14	1	3	SG08S95	2	INVSNP
0.99999	1	٥	0.281511	114	0.261511	0.261511	1.46E-10	1	2	SG08S98	1	INVSNP
66666.0	1	0	0,277963	114	0.277963	0.277963	1.47E-10	1	2	SG08S96	2	INVSNP
0.99999	1	0	0.396384	114	0.398384	0.396384	1.57E-10	1	3	SG08S98	1	INVSNP
0.999991	1	0	0.084142	114	0.064142	0.064142	1.38E-10	1	3	SG08S98	2	INVSNP
0.999912	1	0	0,595743	129	0.595743	0.595742	1.21E-08	1	0	SG08S97	1	INVSNP
0,999912	1	0	0.311233	129	0.311233	0.311235	1.21E-08	1	0	SG08\$97	2	INVSNP
0.999912	1	0	0,051543	129	0.051543	0.051545	1.21E-08	1	1	SG08S97	1	INVSNP
0.999912	1	0	0.04148	129	0.04148	0.041478	1.21E-08	1	1	SG08S97	2	INVSNP

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Appendi	Appendix 3: Output for association of markers to panic disorder.										
						Frequency under Null Hypothesis					
						pot					
1	•		ts ts		w	Ŧ				•	
		spa	퓛	S	frof	Ž	2				
İ		fect	Affe	afte	S	der	affs				
	ŭsk	Ž.	ž.	. 5	.5	Ę.	\$ ts	g			
g	Ye.	ero	enc	er o	n D	5	īnai	oge		<b>.</b>	
P-Value	Relative Risk	Number of Affecteds	Frequency in Affecteds	Number of Controls	Frequency in Controls	nba	Chl-square Statistic	Information	Allefe	Marker	
0.355059	0.910262	286	0.636364	<u>Ž</u> 811				<u> </u>	<u>₹</u>	AC022239-5	
0.242105	1.1394	286	0.265734	81,1	0.24106	0.247493	1,3683	1	0	AC022239-5	
0.571632 0.986197	0.902632 0.992388	286 286		811 811				1	8 -4	AC022239-5 AC022239-5	
0.240092	2.03452	286	0.008741	811	0.004316	0.005469	1,38005	i	· -8	AC022239-5	
0.960871 0.783017	0.945128 1.05089	286 228	0.001748 0.107456	811 574				1.	-12 12	AC022239-5 AC068974-2	
0.56987	1,07163	228	0.298246	574	0.283972	0.28803	0.3229	i	14	AC068974-2	
0.105873 0.868142	0.833881 0.954783	228 228	0,399123 0.041667	574 574				1	0 16	AC068974-2 AC068974-2	
0.912008	1.03403	228	0.035088	574	0.033972	0.034289	0.012212	i	8	AC068974-2 AC068974-2	
0.348408 0.539288	1.22425 0.627754	228 228	0.076754 0.004386	574 574				1	10	AC068974-2 AC068974-2	
0.208969	1.75787	228	0.019737	574				i	,20 · 8	AC068974-2 AC068974-2	
0.413329 0.229492	2.87E-10 2.11012	228 228	2.50E-13 0.010965	574 574				1	15	AC068974-2	
0.169771	5.05286	228	0.004386	574	0.000871	0.00187		i	18 2	AC068974-2 AC068974-2-	
0.156357 0.112637	1.38E-16 18882.8	228 228	3.55E-19 0.002193	574 574				1	-2	AC068974-2	
0.413329	2.87E-10	228	2.50E-13	574				1	-4 13	AC068974-2 AC068974-2	
0.010326 0.002527	1.39401 0.719595	272 272	0.202208 0.270221	780 780				1	0	AF131215-1	
0.621042	1.05433	272	0.321691	780				1	2 -2	AF131215-1 AF131215-1	
0.401243 0.397708	0.771187 1.33952	272 272	0.023897	780				1	22	AF131215-1	
0.345695	1,24806	272	0,023897 0.051471	780 780		0.019487		1	-4 8	AF131215-1 AF131215-1	
0.543576 0.743728	0.870997 1.14925	272 272	0.047794	780			-	1	4	AF131215-1	
0.682444	1.11131	272	0,014706 0,040441	780 780	0.012821 0.038539	0.013308 0.037548		1	-6 10	AF131215-1 AF131215-1	
0.485938	2.87107 23085.8	272	0.001838	780	0.000641	0.000951	0.531592	1	6	AF131215-1	
0.099948 0.273866	1.28E-11	272 272	0,001838 1.65E-14	. 780 780	7.98E-08 0.001282		2.70641 1.19728	1	14 12	AF131215-1 AF131215-1	
0.008381 0.010287	0.771848	283	0.469865	780	0.534615		6.95029	1	0	AF131215-2	
0.919253	1.28932 0.978776	283 283	0.462898 0.056537	780 780	0.400641 0.057692	0.417215 0.057385	6.68444 0.010277	1	4 8	AF131215-2 AF131215-2	
0.961099 0.223033	1.03375	283	0.0053	780	0.005128	0.005174	0.002379	1	-4	AF131215-2	
0.002887	2.76553 0.743738	283 292	0.0053 0.359589	780 795	0.001923	0.002822 0.411224	1.48475 8.87765	1	-8 0	AF131215-2 AF131215-4	
0.00029	1.4211	292	0.523973	795	0.436478	0.459982	13,134	1	14	AF131215-4	
0,323378 0.626764	0.832763 0.86546	292 292	0,068493 0.025685	795 795	0.081132 0.02956	0.077737 0.028519	0.975234 0.236475	1	12 8	AF131215-4 AF131215-4	
0.80931 0.367167	0.90625	292	0.013699	795	0.015094	0.014719	0.058234	1	16	AF131215-4	
0.553357	1.8207 0.543741	292 292	0,006849 0.001712	795 795	0.003774 0.003145	0.0046 0.00276	0.81323 0.351338	1	18 10	AF131215-4 AF131215-4	
0.428886	1.17E-11	292	7.34E-15	.795	0.000829	0.00046	0.625839	1	4	AF131215-4	
0.278976 0.549532	1.2284 0.940647	291 291	0.075601 0.333333		0.062422 0.347066		1.17207 0.358156	1	-6 · 0	AF188029-1 AF188029-1	
0.63298	0.941483	291	0.175258	801	0.184145	0.181777	0.228069	1	-8	AF188029-1	
0.325299 0.693252	1.12325 0.897679	291 291	0.221649 0.030928	801 801	0.202247 0.034332		0.967521 0.155588	1	-4 2	AF188029-1 AF188029-1	
0.501099	0.815477	291	0.024055	801	0.029338	0.02793	0.452608	i	-12	AF188029-1	
0.430539 0.292817	0.866162 1.25018	291 291	0.072165 0.060138	801 801	0.082397 0.048689	0.07967 0.05174	0.62137 1.10663	1	-2 -10	AF188029-1 AF188029-1	
0.431056	4.83E-13	291	3.02E-16	801	0.000624	0.000458	0.619977	i	8	AF188029-1	
0.66378 0.841551	0.784972 1.01992	291 284	0.006873 0.429577	801 804		0.008242 0.426011	0.188965 0.039964	1	4 0	AF188029-1 AF188029-10	
0.490415	0.93353	284	0.390845	804	0.407338	0.403033	0.475615	1	2	AF188029-10	
0.192955 0.275572	0.737804 1.21229	284 284		804 804	0.054105 0.075249		1.69491 1.1888	1	8 4	AF188029-10	
0.442342	1.20876	284	0.044014	804	0.036692	0.038603	0.5902	1	-2	AF188029-10 AF188029-10	
0.110811 0.436617	4.26372 1.50E-13	284 284	0.005282 9.32E-17	804 804	0.001244 0.000622		2.54547 0.605157	1	-4	AF188029-10	
0.678161	0.947682	286	0.187832	795	0.175472	0.173451	0.172203	1	6 0	AF188029-10 AF188029-12	
0.927278 0.842897	0.983654 1.01971	286 286	0.078671	795 795	0.079874 0.561635	0.079558 0.562905	0.00833	1	4	AF188029-12	
0.521834	1.08748	286	0.566434 0.171329		0.159748	0.162812	0.03938 0.410266	1 1	-12 -4	AF188029-12 AF188029-12	
0.333271 0.277654	0.396047 0.644248	286 288	0.001748		0.004403		0.936147	1	12	AF188029-12	
3.2,7009	J. 577240	286	0.012238		0.018868		1.17854	1	8	AF188029-12	

0.102875		286	0.001748	795	6.13E-08	0.000463	2.66039	1	-8	AF188029-1
0.155568		287	0.550523	808	0.584672	2 0.57573	2.01678	1	ō	AF188029-7
0.140992		287	0.425087	809		0.399179	2.1671	1	-4	AF188029-7
0.881319		287	0.010453	809				1	2	AF 188029-7
0.903051		287	0.008711	809				1	-2	AF188029-7
0.482678		287	0.005226	809				1	4	AF188029-7
0.118913		287	8.83E-15	809				1	6	AF188029-7
0.094813		192	0.528646	449				1	0	AF287957-1
0.007629		192	0.315104	449				1	-6	AF287957-1
0.186793		192	0.03125	449				1	4	AF287957-1
0.984891		192	0.052083	449				1	-4	AF287957-1
0.425166		192 192	0.028646	449				1	2	AF287957-1
0.927059 0.424721	1.4128	192	0.020833	449				1	-2	AF287957-1
0.037716		295	0.023438	449				1	-14	AF287957-1
0.823345		295	0.061017	867				1	-12	D8S1130
0.057993		295	0.250847 0.155932	867				1	4	D8S1130
0.034226		295	0.133832	867 867				1	0	D8S1130
0.761102		295	0.233898	867				1	. 8	D8S1130
0.448628	1.10284	295	0.167797	867				1	· -8	D8S1130
0.015013		295	0.057627	867			0.574117	1	-4	D8S1130
0.257109		295	0.005085	887				1	12	D8S1130
0.184815		295	3.00E-16	867			1.75847	i	16 2	D8S1130 D8S1130
0.926708		272	0.273897	839				i	ő	D8S1469
0.42014		272	0.485294	839				i	4	D8S1469
0.912414		272	0.147059	839				i	8	D8S1469
0,350505		272	0.007353	839				i	,12	D8\$1469
0.682057		272	0.055147	839			0.191034	i	3	D8S1469
0.219897		272	0.025735	839			1.50504	i	-4	D8S1469
0.091711	4.64693	272	0.005515	839			2.84409	i	7	D8S1469
0.146999	0.867007	277	0.436823	845			2.10312	i	ó	D8S1695
0.545903	0.931486	277	0.218412	845				i	8	D8S1695
0.00817	1.5987	277	0.099278	845			6.99575	i	. 6	D8S1695
0.255984	1.25064	277	0.072202	845			1,29035	i	10	D8S1695
0.931404	1.01321	277	0.117329	845	0.115976	0.11631	0.00741	1	4	D8S1695
0.664068	1.1391	277	0.028881	845	0.025444		0.18862	i	12	D8S1695
0.63463		277	0.018051	845	0.021302	0.020499	0.225834	1	2	D8S1695
0.235922	0.337754	277	0.001805	845	0.005325	0.004456	1.4048	1	14	D8S1695
0.046136	1.36E-16	277	5.65E-19	845	0.004142	0.003119	. 3.97682	1	16	D8S 1695
0.030127	6.13816	277	0.00722	845	0.001183	0.002674	4.70202	1	-4	D8S1695
0.45137	5.84E-13	<b>277</b>	3.34E-16	845	0.000592	0.000446	0.567209	1	9.	D8S1695
0.227457	0.863872	275	0.218182	643	0.244168	0.238383	1.45669	1	34	D8S1721
0.509906	1.17748	275	0.047273	643	0.040436	0.042484	0.434261	1	36	D8S1721
0.084607	1.19418	275	0.450909	643	0.407465	0.420479	2.9741	1	0	D8S1721
D.157396	0.796563	275	0.103636	643	0.12675	0.119826	1.99907	1	2	D8S1721
0.520753	1.11465	275	0.105455	643	0.095645	0.098584	0.412403	1	4	D8S1721
0.871348	0,934318	275	0.014546	643	0.015552		0.026227	1	8	D8S1721
0.63747 0.309831	1.12791	275 276	0.043636	843	0.03888	0.040305	0.222086	1	24	D8S1721
0.128123	0,581501 0,357385	275 275	0.007273	643	0.012442	0.010893	1.0314	1	32	D8S1721
0.058981	1.53E-11	275 275	0,003636 5,96E-14	643	0.010109	0.00817	2.3151	1	38	D8S1721
0.553668	2.34082	275	0,001818	643 643	0.003888	0.002723	3.56636	1	28	D8S1721
0.553668	2.34062	275	0.001818	643	0.000778 0.000778	0.001089	0.350787	1	8	D8S1721
0.825536	0.778996	275	0.001818	643	0.002333	0.001089 0.002179	0.350787	1	<b>-4</b>	D8S1721
0.398669	9.73E-12	275	7.57E-15	643	0.002333	0.002175	0.04859 0.712338	1	30	D8S1721
0.652897	0.957121	298	D.607383	868	0.617783	0.61512	0.7 12338	1	-2 0	D8S1721
0.102755	0.750017	298	0.07047	888	0.091801	0.08634	2.66225	-1	2	D8S1759 D8S1759
0.948028	1.02151	298	0.021812	866	0.021363	0.021478	0.004249	1	6	D8S1759
0.114811	1.34013	298	0.078859	866	0.060046	0.064863	2.48672	i	4	D8S1759
0.140217	1.23237	. 298	0.139262	866			2.17557	i	12	D8S1759
0.568174	1.12505	298	0.058725	866		0.054124	0.325748	i	10	D8S1769
0.037947	0.83195	298	0.005034	866			4.30741	i	14	D8S1759
0.031831	0.180252	298	0.001678	866	0.009238		4.60758	i	16	D8S1759
0.688492	1.16519	298	0.016779	866	0.014434		0.160723	i	8	D8S1759
0.182675	2.05E-13	298	3.56E-16	866	0.001732	0.001289	1.77573	1	-2	D8S1759
0.024789	1.31206	170	0.526471	702	0.458689	0.471904	5.03858	1	0	D8S1825
0.381925	0,80588	170	0.064708	702	0.07906	0.076262	0.831204	1	8	D8S1825
0.379413	1.16728	170	0.144118	702			0.772604	1	10	D8S1825
0.009957	0.651161	170	0.135294	702			6.64257	1	6	D8S1825
0.486263	0.868572	170	0.094118		0.108838		0.484786	1	2	D8S1825
0.191246	2.37586	170	0.011765		0.004986		1.70799	1	-2	D8S1826
0.870918	1.07863	170	0.017647	702	0.016382		0.026404	1	4	D8S1825
0.14054	1.09E-10	170	3.88E-13	702	0.003561		2.17204	1	-1	D8S1825
0.454299	0.587491		0.005882	702			0.559903	1	12	D8S1825
0.510105	8.45E-11	170	6.03E-14	702			0.433851	1	14	D8S1825
0.815552	1.02488	254	0.364173	841			0.054415	1	4	D8S265
0.451712	1.1091	254	0.167323	841	0.153389		0.586353	1	0	D8S265
0.786827	1.10578	254	0.019685	841		0.018265		1	6	D8S265
0.877551	0.971594	254	0.07874	841	0.080856			1	-5	D8S265
0.402198 0.726358	0.886147		0.137795	841	0.152794	0.149315		1	2	D8S265
0.726358 0.364169	0.937693 1.23268		0.080709 0.055118	841 841	0.085812		0.122482	1	18	D8S265
501 FUU.	1.40400	404	0.000170		0.045184		0.823464	1	12	D8S265
					C 11	(30)				

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0.99987	0.999971	254	0.088583	841	0.088585	0.088585	2.65E-08		14	D8S265
								1		
0.410161	3.31558	254	0.001869	841	0.000595		0.678335	1	-3	D8S265
0.00268	3.61E-12	254	3.69E-14	841	0.010107		9.01331	1	16	D8S265
0.693824	0.881534	254	0.001968	841	0.002973	0.00274	0.15519	1	8	D8S265
0.208078	7.07E-13	254	1.26E-15	841	0.001784	0.00137	1.58475	1	10	D8S265
0.10975	6.64428	254	0.003937	841	0.000595	0.00137	2.55782	i	20	D8S265
0.46748	4.34E-11	254	2.58E-14	841	0.000595		0.527974	1	1	D8S265
0.46746	4.34E-11	254	2.58E-14	841	0.000595	0.000457	0.527974	1	-4	D8S265
0.695468	1.08982	142	0.098592	762	0.091207	0.092367	0.15323	1	0	D8S351
0.783305	1.04473	142	0.211268	762			0.075833	i	18	D8S351
0.316586	1.16569	142	0.242958	762			1.003	1	2	D8S351
0.72188	0.937773	142	0.147887	762	0.156168	0.154867	0,126699	1	6	D8S351
0.153706	0.295841	142	0.003521	762	0.011811	0.010509	2.03508	1	10	D8S351
0.838089	1.05	142	0.080986	762			0.041754	1	8	D8S351
	0.836945		0.038732							
0.583333		142		762			0.300878	1	20	D8S351
0.809166	0.940043	142	0.066902	762	0.070868	0.070243	0.058323	1	4	D8S351
0.411157	0.821546	142	0.073944	762	0.088583	0.088283	0.675454	1	16	D8S351
0.756219	1.14178	142	0.024648	762	0.021654	0.022124	0.096379	1	. 14	D8S351
0.028377	8,33E-12	142	7.72E-14	762			4.80504	i	12	D8S351
0.798776	0.765774	142	0.003521	762	0.004593		0.086318	1	-2	D8S351
0.286161	2.69504	142	0.007042	762	0.002625	0.003319	1.13759	1	22	D8S351
0.14867	1.17553	220	0.372727	825	0.335758	0.343541	2.08584	1	-8	D8S503
0,656591	0.950426	220	0.322727	825	0.333939		0.197691	1	Ō	D8S503
0.952265	1.00854	220	0.172727	825	0.171515				•2	
						0.17177	0.003584	1		D8S503
0,599769	1.12497	220	0.063636	825	0.05697		0.275344	1	-4	D8S503
0.026073	0.443736	220	0.015909	825	0.035152	0.031101	4.95115	1	2	D8S503
0.384947	0.806419	220	0.045455	825	0.055758	0.053589	0.754842	1	, -8	D8S503
0.233489	1.31E-11	220	2.38E-14	825	0.001818		1.41948	1	-10	D8S503
0.350082	0.415334	220	0.002273	825	0.005455			1	4	D8S503
0,788203	1.25115	220	0.004545	825	0.003636	0.003828	0.07217	1	-12	D8S503
0.013012	0.789193	299	0.528428	876	0.586758	0.571915	6.18746	1	2	D8S516
0.145759	1.18197	299	0.229097	876	0.200913		2.11608	1	4	D8S516
		299		876	0.093037	0.095319				
0.521718	1.10737		0.102007				0.410496	1	0	D8S516
0.239161	1.20127	299	0.110368	876	0.093607	0.097872	1.38553	1	-2	D8S516
0.621542	1.23675	299	0.013378	878	0.010845	0.011489	0.243707	1	-4	D8S516
0.963144	1.01931	299	0.013378	876	0.013128	0.013192	0.002135	1	6	D8S516
0.476294	1.95638	299	0.003344	876	0.001712		0.507337	i	8	D8S516
								-		
0.227243	0.879355	277	0.33213	663	0.361237	0.35266	1.45803	1	6	D8S520
0.566855	1.07197	277	0.229242	683	0.217195	0.220745	0.327973	1	8	D8S520
0.591376	0.822135	277	0.018051	663	0.02187	0.020745	0.288201	1	10	D8S520
0.480274	1,11885	277	0.119134	663	0.107843	0.11117	0.498241	1	0	D8S520
0,429167		277		663						
	1.16824		0.075812		0.065611		0.625075	1	-10	D8S520
0.867915	0.97239	277	0.099278	663	0.10181	0.101084	0.027658	1	4	D8S520
0.388307	0.530191	277	0.00361	663	0.006787	0.005851	0.744238	1	-12	D8S520
0.629629	1,10847	277	0.115523	663	0.105581	0.108511	0.395104	1	2	D8S520
0.138097	0.365942	277	0.00361	863	0.009804	0.007979	2.19904		- <u>-</u> 2	D8S520
								1		
0.389528	2.39855	277	0.00361	663	0.001508	0.002128	0.740422	1	12	D8\$520
0.403311	1.61E-12	277	1.22E-15	663	0.000754	0.000532	0.698432	1	9	D8S520
0.559428	1.0591	276	0.541667	840	0.527381	0.530914	0.340696	1	0	D8S542
0.505598	0.932162	276	0.309783	840	0.325	0.321237	0.443167	1	2	D8S542
0.930924	1.01211	276	0.146739	840	0,145238	0.145609	0.007514		4	D8S542
								1		
0.191511	1.80E-13	276	3.22E-16	840	0.001786	0.001344	1.70595	1	-2	D8S542
0.442247	3.04718	276	0.001812	84D	0.000595	0.000896	0.590446	1	-12	D8S542
0.0859	1,31911	282	0.113475	814	0.088452	0.094891	2.94958	1	-8	D8S550
0.618127	1.07712	282	0.125887	814	0.117936	0.119982	0.248509	i	12	D8S550
0.253091	0.881203	282	0.255319	814	0.280098	0.273723	1.30616			
								1	14	D8S550
0.940441	0.989607	282	0.141844	814	0.14312	0.142792	0.005582	1	-2	D8S550
0.42232	0.755274	282	0.017731	814	0.023342	0.021898	0.643851	1	8	D8S550
0.373095	1.24145	282	0.046099	814	0.037469	0.03969	0.79333	1	18	D8S550
0.579239	0.897036	282	0.08383		0.070839		0.307467	Ť	-8	D8S550
0.912625	0.981032		0.085106	814	0.086809	0.086223	0.01204	i	16	D8S550
0.295889	0.798208		0.049645	814	0,061425	0.058394	1.09263	1	0	D8S550
0.390233	1.17905	282		814	0.063882	0.066606	0.738216	1	10	D8S550
0.020519	8.22E-13	282	4.57E-15	814	0.005528	0.004108	5,36716	1	2	D8S550
0.651301	1.17949	282	0.019504	814	0.016585	0.017336	0.204264	1	20	D8\$550
0.769431	1.44405	282		814	0.001229	0.001369	0.085919	i	6	DBS550
0.678264	1.44483	282		814	0.002457	0.002737				
							0.172087	1	22	D8S550
0.769431	1.44405		0.001773	814	0.001229	0.001369	0.085919	1	4	D8S550
0.002763	0.633735	112	0.491071	391	0.603581	0.578529	8.95765	1	1	DG00AAHBG
0.002763	1.57795	112	0.508929	391	0.396419	0.421471	8.95765	1	2	DGOOAAHBG
0,185829	0.845927		0.666667	725	0.702759	0.69558	1.75197	i	2	DG00AAHBH
0.185629	1.18213	180	0.333333	725	0.297241	0.30442	1.75197	i		
									1	DG00AAHBH
0.724399	0,95702		0.670391	811		0.678283		1	3	DG00AAHBI
0.724399	1.04491		0.329609	811		0.321717	0.124317	1	1	DGOOAAHBI
0.145444	1.20675	272	0.226103	531	0.194915	0.205479	2.11939	1	0	DG8S117
0.145444	0.828689	272	0.773897	531	0.805085		2.11939	i	9	DG8S117
0.479577	0.889591	292	0.902397	826	0.912228	0.90966	0,499826	1	0	DG8S118
0.479577	1.12411	292	0.097603	826	0.087772	0.09034	0.499826	1	5	DG8S118
0.015453	0.77441	269	0.381041	604	0.442881	0.423826	5.86405	1	0	DG8S127
0.861152	0.972327	269	0.1171	604	0.120033	0.119129	0.030593	1	6	DG8S127
0,007642	1.31953	269	0.501859	604	0.432947	0.454181	7.11552	i	1	DG8S127
				604		0.002864				
0.054739	1.75E-12	269	7.27E-15				3.69001	1	2	DG8S127
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0.421283	0.911215	279	0.732975	646	0.750774	4 0.74540	5 0.648734	1	0	DG8S128
0.421283		279	0.287025	646	0.24922	3 0.25459		i	4	DG8S128
0.214912		281	0.402135	772					4	DG8S130
0,081276		281 281	0.494682	772 772					0	DG8S130
0.784232		281	0.012456	772				. 1	-16 -4	DG8S130 DG8S130
0.588315	0.863197	281	0.032029	772				1	8	DG8S130
0.913407		281	0.003559	772				1	-12	DG8S130
0.799132		281 281	0.001779 0.001779	772				1	12,	DG8S130
0.78588		289	0.847751	772 739				1	`-8 0	DG8S130 DG8S134
0.832027		289		739				i	4	DG8S134
0.514005		289	0.00173	739			3 0.425906	1	2	DG8S134
0.688497		284		779				1	0	DG8S136
0.357664 0.928336		284 284	0.088028 0.051058	779 779				1	-8 21	DG8S138 DG8S138
0.012974		284	0.03169	779				i	-4	DG8S136
0.670458		284	0.08338	779		0.059737		1	4	DG8S136
0.848922		284	0.047535	779				1	6	DG8S136
0.809069		284 284	0.028169 0:015845	779 779				1	-2 8	DG8S136 DG8S138
0.077685		284	3.81E-14	779				1	-8	DG8S138
0.8001		284	0.001761	779	0.001284			1	10	DG8S136
0.148698	5.50183	284	0.003521	779				1	-10	DG8S138
0.937653	0.914158 0.926264	284 73	0.001761 0.308219	779 234				1	-14	DG8\$136
0.420328	1.31212	73	0.09589	234				1	2 · 2	DG8S137 DG8S137
0.871564		73	0.047945	234				i	10	DG8S137
0.48255	0.785186	73	0.075343	234				1	4	DG8S137
0.534482 0.756498	1.20249 1.1034	73 73	0.123288 0.10274	234 234	0.104701			1	6	DG8\$137
0.50781	0.8569	73	0.10274	234	0.224359			1	-4 0	DG8S137 DG8S137
0.786803	1.20629	73	0.020548	234	0.017094			i	12	DG8S137
0.707744	1.60689	73	0.006849	234	0.004274			1	18	DG8S137
0,46096 0.13978	1.35E-10 1.65E-11	73 73	2,89E-13 1,42E-13	234 234	0.002137 0.008547			1	14	DG8S137
0.016338	27512.1	73	0.013697	234	5.05E-07			1	8 16	DG8S137 DG8S137
808980.0	32034.3	73	0.006849	234	2.15E-07			i	20	DG8S137
0.839671	1.03011	280	0.132143	761	0.128778			1	-1	DG8S138
0.870828 0.428537	0.976461 2.32E-12	280 280	0.867857 1.52E-15	761 761	0.870565 0.000657	0.869837 0.00048		1	0	DG8S138
0.159463	1.1814	263	0,437262	585	0.400855			1	1 0	DG8\$138 DG8\$147
0.147986	0.857452	263	0.560837	585	0.598291	0.586675		i	2	DG8S147
0.576578	2.22687	263	0.001901	585	0.000855			1	1	DG8S147
0.259213 0.545954	0.794127 0.935049	290 290	0,056897 0,265517	694 694	0.070605	0.086565	1.27296	1	-4	DG8S148
0.014561	0.743933	290	0.191379	694	0.278818 0.241354	0.274898 0.226828	0.36461 <i>5</i> 5.96886	1	2 -2	DG8S148 DG8S148
0.007095	1.31082	290	0.441378	694	0.376081	0.395325	7.24886	1	õ	DG8S148
0.48892	1.2043	290	0.037931	694	0.0317	0.033537		1	4	DG8S148
0.001752 0.237148	23219.6 2.65E-11	290 290	0.006896 3.83E-14	694 694	2.99E-07 0.001441	0.002033	9.79264 1.39747	1	6	DG8S148
0.038856	1.30825	159	0.493711	473	0.427061	0.443829	4.26715	1	-17 -2	DG8S148 DG8S153
0.213023	· 1.26575	159	0.147799	473	0.120507	0.127373	1.55076	1	ō	DG8S153
0.986876	0.991482	159	0.015723	473	0.015856	0.015823	0.000271	1	-6	DG8S153
0.108112	0.569861 0.511599	159 159	0.028302 0.089182	473 473	0.048626 0.12685	0.043513 0.112342	2.5816	1	2	DG8S153
0.458379	1.32	159	0.034591	473	0.026427	0.028481	8.70122 0.549849	1 1	6 14	DG8S153 DG8S153
0.892697	1.0255	159	0.141509	473	0.138478	0.139241	0.018198	1	8	DG8S153
0.088491 0.185722	0.580458		0.034591	473		0.052215	2.90161	1	10	DG8S153
0.090749	0.543722 3.00638	159 159	0.015723 0.015723	473 473	0.028541	0.025317	1.75123 2.86103	1	· 12	DG8S153 DG8S153
0.784783	0.742904	159	0.003145	473	0.004228		0.074579	i	-4	DG8S153
0.361037	1.12242	208	0,336538	453	0.311258	0.319213	0.834284	1	4	DG8S155
0.468219 0.66848	0.858947 0.915048	208	0.086539	453	0.099338	0.09531		1	8	DG8S155
0.00040	0.96223	208 208	0.086539 0.237981	453 453		0.091528 0.242814	0.183409 0.077314	1	2 6	DG8S155 DG8S155
0.201895	1.53565	208	0.038462	453	0.025386		1.62861	i	14	DG8S155
560704	0.889464	208	0.091346	453	0.101545	0.098336	0.338487	i	0	DG8S155
0.99073 3.382456	1.00271	208	0.069712	453		0.069592		1	10	DG8S155
).384561	0.75398 2.88E-10	208 208	0.033654 3.18E-13	453 453		0.040847 0.000756		1	12	DG8S155
.070728	3.68179		0.012019	453	0.003311		3.26609	1	-16 -10	DG8S155 DG8S155
.384561	2.88E-10	208	3.18E-13	453	0.001104	0,000756	0.756071	i	-2	DG8S155
0,686813	1.4541		0.004808	453		0.003782		1	16	DG8S155
0,58637 ),252035	2.18074 1.12465		0.002404 0.411654	453 777	0.001104 0.383528	0.001513	0.296049	1	-12	DG8S155
	0.838003		0.524436	777	0.568211		1.31199 3.06948	1	6 0	DG8S156 DG8S156
.212713	1.38788		0.043233	777	0.031532		1.55287	i	-6	DG8S 158
.183633	2.39E-11	268	4.62E-14	. 777	0.001931		1.76798	1	3 .	DG8S156
0.80929	1.40541 0.946461	266 240	0.020877 0.9375	777 558		0.016299		1	9 .	DG8S158
.709136	1.09786		0.052083			0.939698 0.048995	0.058246 0.139141	1	·0 -2	DG8S159 DG8S159
					3.047.002			•	-4	7G07 108
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0.296272	0.531689	240	0.00625	556	0.011691	0,01005	1.0909	1	2	DG8S159
0.028441	18155.3	240	0.004166	556	2.30E-07	0.001256		1	-6	DG8S159
0.003748	0.744604	284	0.353873	735	0.42381			1	0	DG8S161
0.003748	1.343	284	0.646127	735	0.57619			1	2	DG85161
0.05598 0.05598	1,20367 0.830793	288 288	0.515625 0.484375	815 815	0.469325 0.530675			1	0 3	DG8S163 DG8S163
0.523898	0.030793	200 276	0.315217	759	0.330075			1	0	DG8S170
0.660506	1.04706	276	0,661232	759	0.650856			i	2	DG8S170
0.4587	1,32163	276	0.019928	759	0.015152			1	-4	DG8S170
0.798541	1.37568	276	0.001812	759	0.001318	0.001449	0.065145	1	-19	DG8S170
0.265216	1.68E-11	278	2.22E-14	759	0.001318			1	-8	DG8S170
0.798541	1.37568	276	0.001812	759	0.001318			1	-2	DG8S170
0.277942	0.895153	284	0.408451	643	0.435459			1	14	DG8S177
0,865528 0.731981	0.904965 0.960051	284 284	0.007042 0.230634	643 643	0.007776 0.237947			1	20 12	DG8S177 DG8S177
0.407745	1.14793	284	0.107394	643	0.094868			i	18	DG8S177
0.419576	2.26855	284	0.003521	643	0.001555			1	2	DG85177
0.822181	1.048	284	0.06338	643	0.060653	0.061489	0.050508	1	0	DG8S177
0.962421	1.00717	284	0.126761	843	0.125972			1.	16	DG8S177
0.09498	1.50315	284	0.052817	643	0.03577			1	10	DG8S177
0.085977	0,837931 1.19342	271 271	0.48155 0.51845	622 622	0,525723 0,474276			1	0 7	DG8S179 DG8S179
0.698546	0.956803	285	0.264912	625	0.2738			ì	10	DG8S181
0.529296	0.929813	285	0,250877	626	0.2648	0.25044		i	12	DG8S181
0.549125	0.908757	285	0.108772	625	0.1184			1	4	DG8S181
0.556533	1.107	285	0.098246	625	0.0898			1	0	DG8S181
0.802839	1.03721	285	0.140351	625	0.136			1	' 8	DG8S181
0.311381	1.47192	285	0.021053	625	0.0144			1	18	DG8S181
0.476286 0.638487	1.22626 1.10319	285 285	0.035088 0.064912	625 625	0.0288 0.0592	0.030769		1	18 14	DG8S181 DG8S181
0.271618	2.20142	285	0.007018	625	0.0032			i	-2	DG8S181
0.150962	0.272845	285	0.001754	625	0.0064	0,004945		i	2	DG8S181
0.720999	1.25492	285	0.007018	625	0.0058	0.006044		1	6	DG8S181
0.090162	0.738911	239	0.895397	818	0.920538	0.914853	2.87149	1	0	DG8S182
0.090162	1.35334	239	0.104603	818	0.079462		2.87149	1	-3	DG8S182
0.932953 0.932953	1.01025	266 266	0.763158	641 641	0.76131 0.23869	0.761852 0.238148	0.007078 0.007078	1	0 -1	DG8S188 DG8S188
0.50016	0.989858 0.918664	164	0.236842 0.533537	568	0.554577	0.549863	0.454596	1	-1	DG8S192
0.694277	0.93582	164	0.161585	568	0.170775	0.168716	0.154494	i	2	DG8S192
0.565236	1.24438	164	0.030488	568	0.024648	0.025958	0.330719	i	16	DG8S192
0.04181	1.47675	164	0.140244	568	0.098472	0.108607	4.14289	1	-2	DG8S192
0.458915	0.82142	164	0.054878	568	0.066021	0.063525	0.548539	1	4	DG8S192
0.334129	2.08801	164	0.009146	568	0.004401	0.005464	0.93283	1	8	DG8S192
0,333204	0.780091	164	0.057927	568 568	-0,073063 0,001761	0.069672	0.938407 0.187803	1	12 -4	DG8S192 DG8S192
0.664752 0.153974	1.73395 1.35E-14	164 164	0.003049 4.78E-17	58B	0.003521	0.002049	2.03243	i	10	DG8S192
0.070388	5.23379	164	0.009146	· 56B	0.003321	0.003415	3.27395	i	14	DG8S192
6.82E-05	0.670285	283	0.535336	730	0.632192	0.605133	15.8592	1	0	DG8S197
0.000124	1.47085	283	0.481131	730	0.367808	0.39388	14.738	1	1	DG8S197
0.023849	25908.7	283	0.003533	730	1.37E-07	0.000987	5.1056	1	2	DG8S197
0.200705	1,1383	275	0.534546	677	0,502216	0.511555	1,63724	1	0 4	DG8S201
0.104707 0.974149	0.837728 0.995157	275 275	0.296364 0.130909	677 677	0.334564 0.131462	0.323529 0.131303	2.63234 0.00105	1	-2	DG8S201 DG8S201
D.486146	1.21031	275	0.038182	677	0.031758	0.033613	0.485045	i	2	DG85201
0.587808	1.16354	197	0.959391	735	0.953061	0.954399	0.29378	i	ō	DG8S212
0.587808	0.859444	197	0.040609	735	0.046939	0.045601	0.29378	1	2	DG8\$212
0.109145	1.26268	149	0.697987	392	0.646684	0.660813	2.56656	1	4	DG8S215
D.127499	0.800874	149	0.302013	392	0.350765	0.337338	2.3227	1	0	DG8S215
0.256041 0.18799	2.21E-11 1.18051	149 246	5.64E-14 0.400406	392 292	0.002551	0.001848 0.379182	1.29004	1	2	DG8S215 DG8S221
0.10783	1.01236	246	0.276423	292		0.275093		1	5	DG8S221
0.035493	0.69336	246	0.123984	292	0.169521		4.42129	i	-2	DG8\$221
0.749277	0.914805	246	0.048781	292		0.051115		1	7	DG8S221
0.595972	1.10172	248	0.134146	292		0.128253	0.281114	1	4	DG8\$221
0.38024	0.590165	248	0.00813	292	0.013699		0.769925	1	1	DG8\$221
0.464631	2.37959	246	0.004065	292		0.002788		1	8	DG85221
0,863722 0,132044	1.18775 0.8478	246 266	0.004065 0.295113	292 726	0.003425 0.330579		0.02946 2.26831	1	-1 0	DG8\$221 DG8\$232
0.015593	1.28256	266	0.441729	726	0,381543		5.84822	i	2	DG85232
0,266154	0.847444	266	0.12594	728	0.145317			. i	-8	DG8\$232
0.475486	1.1364	266	0.092105	728	0.081956			1	-4	DG8S232
0.398848	0.787598	268	0.030075	726	0.037879	0.035786	0.711804	1	4	DG8S232
0.343976	0.678096	266	0,013158	728	0.019284		0.895557	1	-2	DG8\$232
0.486272	2.73258	. 266	0.00188	726	0.000689			1	-8	DG85232
0.113821 0.071301	1.45E-13 1.40918	266 282	4.01E-16 0.934397	726 672	0.002755		2.50034 3.25281	1	8	DG8\$232 DG8\$238
),071301 ),071301	0.70963	282	0.065603	672 672		0.082809	3,25281	1	0 -8	DG8\$238 DG8\$238
0.010364	0.711215	157	0.563694	476	0.644958	0.824803	6.57128	i	4	DG85242
0.010384	1.40804	157	0.436306	478	0.355042		6.57128	i	ō	DG8S242
0.413669	1.1601	273	0.908425	468	0.895299	0.900135	0.868232	1	ō	DG8S245
0,51171	1.15354	273	0.069597	468	0.080897		0.430569	1	-4	DG8S245
0.021506	0.472897	273	0.020147	468	0.041667		5.28532	1	4	DG8S245
					$\sim$ 11	, · =				

0.89892		273 0.001832	468 0.002137 0.002024 0.016134 1	-8	DG8S245
0.80601	1 0.971318	184 0.5625	682 0.569648 0.568129 0.060308 1		DG85249
0.08776	1 0.74417	184 0.141304	682 0.181085 0.172633 3.33645 1		
0.21872		184 0.027174	682 0.016862 0.019053 1.51274 1		
0.26240	1 0.525638	184 0.008152	682 0.015396 0.013857 1.25605 1		
0.18675	9 1.27882	184 0.122283	682 0.098241 0.103349 1.743 1	-21	DG8S249
0.18089	2 0,306994	184 0.002717	140	-2	DG8S249
0.27452	5 1.33859	184 0.057065		6	DG85249
0.00087		184 4.06E-16		2	DG8S249
0.47433		184 0.008152		-6	DG85249
0.006519				4	DG8S249
0.067139			682 0.032258 0.039261 7.40092 1	-4	DG8\$249
0.012747			682 0.005132 0.004042 3.35163 1	-1	DG8S249
		184 0.005434	682 1.63E-07 0.001155 6.20393 1	-8	DG8S249
0.876088		287 0.054007	584 0.052226 0.052813 0.024315 1	-10	DG8\$250
0.059451		287 0.203833	.584 0.244007 0.230769 3.55263 1	-4	DG8S250
0.777552		287 0.134146	584 0.129281 0.130884 0.079812 1	2	DG8\$250
0.671776		287 0.198606	584 0.190068 0.192882 0.179532 1	. 4	DG8\$250
0.793481		287 0.060976	584 0.064212 0.063146 0.068535 1	-2	DG8S250
0.937633	-	287 0.249129	584 0.250856 0.250287 0.006122 1	0	DG85250
0.280349		287 P.015879	584 0.009418 0.011481 1.2669 1	8	DG8S250
0.056123		287 0.020906	584 0.009418 0.013203 3.8484 1	-8	DG8S250
0.527266	1.24457	287 0.02439	584 0.019692 0.02124 0.399658 1	6	DG8S250
0.457081	1.36288	287 0.017422	584 0.012843 0.014351 0.553034 1	-12	
0.478395	1.32285	287 0.019164	584 0.014555 0.018074 0.502519 1	-6	DG8S250
0.519284	0.507857	287 0.001742	584 0.003425 0.00287 0.415316 1		DG8S250
0.025242	0.794875	280 0.576786		12	DG8S250
0.824495	1.05493	280 0.048429		١ ٥	DG85257
0.053394	1.22755	280 0.358929		-6	DG8S257
0.781377		280 0.008929	000	-2	DG8S257
0.005737		280 0.008929		2	DG8S257
0.197364		251 0,227092	007	-9	DG8S257
0.783805		251 0.543825	047	15	DG8S258
0.398308		251 0.017928	637 0.55102 0.548986 0.075275 1	18	DG8S258
0.27797			637 0.012559 0.014077 0.713434 1	0	DG8S258
0.248859			637 0.214286 0.20777 1.17699 1	12	DG8S258
0.405954		251 3.88E-16	637 0.00157 0.001126 1.3297 1	24	DG8S258
		251 0.013944	637 0.019623 0.018018 0.69062 1	21	DG8S258
0.139196		251 0.005976	637 0.00157 0.002815 2.18682 1	33	DG8S258
0.511547	1.09839	155 0.725806	549 0.70674 0.710938 0.430901 1	2	DG8S261
0.442146	0.895729	165 0.270968	549 0.29326 0.288352 0.590707 1	0	DG8S261
0.081789	28913.2	155 0.003225	549 1.12E-07 0.00071 3.02898 1	-2	DG8S261
0.917373	1.03676	149 0.036913	561 0.035651 0.035916 0.010763 1	-4	DG8S262
0.937128	0.989756	149 0.526846	561 0.529412 0.528873 0.006222 1	0	DG8S262
0.167011	1.3457	149 0.114094	561 0.087344 0.092958 1.90957 1	-10	DG8S262
0.507263	1.10801	149 0.238255	561 0.220143 0.223944 0.43971 1	2	DG8S262
0.138593	0.541764	149 0.020134	561 0.036542 0.033099 2.21593 1	-2	DG8S262
0.459657	88808.0	149 0.050336	581 0.081497 0.059155 0.54873 1	4	DG8S262
0.426938	0.62373	149 0.010067	581 0.016043 0.014789 0.631137 1	6	DG8S262
0.231698	0.340068	149 0.003356	561 0.009804 0.008451 1.4304 1	-14	DG8S262
0.169501	1.20E-12	149 4.29E-15	561 0.003565 0.002817 1.88735 1	8	DG8S262
0.139116	1.19325	292 0.224315	751 0.195073 0.20326 2.18771 1	15	DG8S265
0.25268	0.894052	292 0.530822	751 0.558589 0.550815 1.30843 1	18	DG8S265
0.194727	1.63747	292 0.020548	751 0.01285 0.014861 1.68149 1	ő	DG8S265
0.697742	0.954193	292 0.202055	751 0.20972 0.207574 0.150831 1	12	DG8S265
0.485853	0.758744	292 0.013699	751 0.017976 0.016779 0.485697 1	21	DG8S265
0.04906	5.17242	292 0.006849	751 0.001332 0.002876 3.8733 1	33	DG8S285
0.289948	0.388333	292 0.001712	751 0.00468 0.003835 1.11986 1	-6	DG8S265
0.086333	1.19793	256 0.501953	615 0.456911 0.470149 2.94148 1	-2	DG8S266
0.119002	0.846488	256 0.394531	815 0.434959 0.423077 2.4304 1	0	DG8S288
0,775754	0.952397	256 0.103516	615 0.10813 0.106774 0.081143 1	-4	DG8S266
0.174019	1.14617	284 0.424296	741 0.391363 0.400488 1.84797 1	-4 -4	DG8S269
0.017797	0.790452	284 0.522887	741 0.580972 0.564878 5.61601 1	ō	DG8S269
0.007424	1.95983	284 0.052817	741 0.027665 0.034634 7.16744 1		
0.207753	0.855855	224 0.272321	567 0.304233 0.295198 1.58701 1	-5 <b>-</b> 2	DG8S269 DG8S271
0.165673	1.17828	224 0.645089	567 0.606702 0.617573 2.01576 1	ő	
0.76238	0.941163	224 0.082589	567 0.087302 0.085967 0.09142 1		DG8S271
0.248316	1.27E-11	224 2.24E-14	567 0.001764 0.001264 1.33275 1	2 4	DG8S271
0.08048	2.08801	276 0.019928	674 0.009644 0.012632 3.05518 1		DG8S271
0.613804	1.05848	276 0.28442		-6	DG8S277
	0.853054	276 0.253623			DG8S277
	0.809775	276 0.063406	,		DG8S277
0.170558	1.17101	276 0.273551	CTI Delegan		DG8S277
0.892018	1.02996	276 0.057971	074		DG8S277
0.039967	0.32938	276 0.005435			DG8S277
	0.541014	276 0.003435			DG8S277
0.300118	1.53598		674 0.006677 0.005789 0.695024 1		DG8S277
.906912	0.95484		674 0.011869 0.013684 1.07367 1		DG8S277
	0.978729		674 0.017062 0.016842 0.013674 1	12	DG8S277
	0.825761	276 0.003623	674 0.003709 0.003684 0.000792 1		DG8S277
0.13877		254 0.543307	578 0.590278 0.575904 3.17439 1	0	DG8S285
.687651	1.18065	254 0.380236	576 0.322917 0.334337 2.19154 1		DG8S285
.559354	1.08508	254 0.076772	576 0.071181 0.072892 0.16164 1		DG8S285
	1.26508	254 0.019885	576 0.015625 0.016868 0.340825 1		DG8S285
.356384	1.11164	239 0.633891	500 0.609 0.61705 0.850596 1		DG8S291
			TIO 4400		

0.162405 0.655564	239 0.029289	500 0.04	4 0.039242 1.95169	1	-2	DG8S291
0.664214 0.94411	239 0.223849	500 0.23		i	4	DG8S291
0.976872 0.994705	239 0.10251	500 0.10	3 0.102842 0.00084	1	2	DG8S291
0.934355 1.04651	239 0.01046	500 0.0	1 0.010149 0.006784	1	6	DG8S291
0.636583 1.06313	185 0.724324	729 0.71193		1	2	DG8S292
0.636583 0.940619	185 0.275876	729 0.28806		1	0	DG8S292
0.93628 1.00923	280 0.25	727 0.24828		1	12	DG8S297
0,403305 0.915914	280 0.330357	727 0.35006		1	0	DG8S297
0.656559 1.06702 0.20533 0.81757	280 0.1375 280 0.101786	727 0.12998		1	4	DG8S297
0.028118 2.06626	280 0.101786 280 0.032143	727 0.12173		1	16	DG8S297
0.171493 2.03235	280 0.032143	727 0.01581: 727 0.0061:		1	8	DG8S297
0.756145 1.11522	280 0.021429	727 0.00619 727 0.01925		1	-4 18	DG8S297 DG8S297
0.02801 0.35351	280 0.007143	727 0.01884		i	6	DG85297
0.641176 1.14454	280 0.032143	727 0.02819		i	10	DG8S297
0.360383 1.21198	280 0.064286	727 0.05364		i	14	DG8S297
0.507417 2.59929	280 0.001788	727 0.00068		i	2	DG8S297
0.518055 1.44844	280 0.008929	727 0.00619		4 '	-2	DG8\$297
0.003916 1.51561	258 0.871094	1 726 0,816804	4 0.830957 8.32244	Ť	0	DG8S298
0.003878 0.652947	258 0.121094	726 0.17424		1	2	DG8S298
0.808617 0.871595	256 0.007813	726 0.00895		1	1	DG8\$298
0.441209 0.903605	265 0.798113	602 0.813953		1	0	DG8S301
0.441209 1.10668	265 0.201887	602 0.186047		1	1	DG8S301
0.641908 1.05266 0.890881 1.02213	247 0.356275	666 0.344595		1	26	DG8S302
0.890881 1.02213 0.395509 1.09979	247 0.125506 247 0.340081	666 0.123123 666 0.319069		1	24	DG8S302
0,855019 0.958143	247 0.052632	666 0.319069 666 0.054805		1	, 28	DG8S302
0.075343 0.762485	247 0.125508	886 0,158408		1	30 0	DG8S302 DG8S302
0.52425 0.930767	287 0.740418	756 0.753968		i	2	DG8S303
0.861317 1.12959	287 0.005226	756 0.00463		i	4	DG8S303
0.519333 1.07584	287 0.254355	756 0.240741		1	-2	DG8\$303
0.422334 1.92E-14	287 1.27E-17	756 0.000681		1	õ	DG85303
0.828691 1.06	60 0.166667	315 0.15873	0.16 0.046821	1	0	DG8S307
0.993008 . 1.00192	60 0.708333	315 0.707937	0.708 7.68E-05	1	4	DG8\$307
0.41298 1.30254	60 0.116667	315 0.092064		1	-4	DG8S307
0.038339 0.195218	60 0.008333	315 0.04127		1	8	DG8S307
0.174508 0.867749	268 0.597015	689 0,630624		1	0	DG8S308
0.152562 1.20791	268 0.19403	689 0.166183		1	2	DG8S308
0.976251 0.994712 0.352781 1.21652	268 0.089552 268 0.067164	689 0.089986		1	-14	DG8S308
0.48913 0.781059	268 0.067164 268 0.020522	689 0.055878 689 0.026125		1	-4	DG8S308
0.541584 1.29032	268 0,016791	689 0.013062		1	-6 -2	DG8S308 DG8S308
0.622344 0.819999	268 0,014925	689 0.018142		1	4	DG8S308
0,338258 1.69655	293 0.010239	660 0.006061		1	8	DG8S318
0.626009 0.949049	293 0,305461	680 0.316667		i	10	DG8S316
0.158291 1.15119	293 0.46587	660 0.431061	0.441763 1.99048	i	Ö	DG8S316
0.879686 0.976132	293 0.107509	660 0,109848	0.109129 0.022912	1	12	DG8S316
0.119081 0.771131	293 0.088737	660 0.112121	0.104932 2.42936	1	14	DG8S316
0.580561 0.807973	293 0.015358	660 0.018939	0.017838 0.305329	1	16	DG8S316
0.689952 1.28915	293 0.006826	660 0.005303		1	2	DG8S316
0.710688 1.04144	241 0.414938	606 0.405118	0.40791 0.13761	1	2	DG8S322
0,595587 0,852636 0,355476 1,10787	241 0.03112	608 0.036304		1	10	DG8S322
0.511816 0.895057	241 0,392116 241 0,109959	606 0.367987 606 0.121287	0.374852 0.853813 0.118064 0.430354	1	0	DG8S322
0.178024 0.734605	241 0.051867	608 0.069307	0.118064 0.430354 0.064345 1.81404	1	4 6	DG8S322 DG8S322
0.907702 1.01284	297 0,728958	700 0.726429	0.727182 0.013442	1	Ö	DG8S323
0.907702 0.987325	297 0.271044	700 0,273571	0.272818 0.013442	i	5	DG8S323
0.349639 1.10583	285 0.319298	695 0.297842	0.304082 0.874767	i	ŏ	DG8S324
0.977007 0.990462	285 0,022807	695 0.023022	0.022959 0.000831	1	10	DG8S324
0.443604 1.0948	285 0.236842	695 0.220863	0.22551 0.586942	1	8	DG8S324
0.057369 0.72887	285 0.087719		0.108163 3.61186	1	6	DG8S324
0.81871 0.965635	285 0.119298		0.121939 0.052534	1	4	DG8S324
0.974544 0.996016	285 0.196491		0.198939 0.001018	1	2	DG8S324
0.560044 0.809524	285 0.017544	695 0.021583		1	12	DG8S324
0.985668 0.997367 0.26551 0.798167	279 0.132616 279 0.05914		0.132836 0.000323	1	-4	DG8S332
0.26551 0,798167 0.102733 0,824595	279 0.05914 279 0.216846		0.069154 1.2398 0.241791 2.6626	1	4	DG8S332
0.01251 0.734721	279 0.184588	726 0.251377 726 0.235537		1	2	DG8\$332
0.00022 1.49355	279 0.340502	726 0.256887	0.221393 6,2371 0.2801 13,6552	1	-2 0	DG8S332
0.312897 1.41148	279 0.02509	728 0.017908		1	0 -8	DG8S332 DG8S332
0.340492 1.28515	279 0.041219		0.034826 0.908577	1	-o 6	DG8S332
0.138081 0.837115	260 0,257692	539 0.293135		1	-5	DG8S333
0.138081 1.19458	260 0.742308		0.718398 2.19922	i	ō	DG8S333
0.126081 0.859129	295 0.377968	764 0.414267		i	ĭ	SG08S100
0.126081 1.16397	295 0.822034	764 0.585733	0.595845 2.34011	i	ż	SG08S100
0.002054 0.711664	295 0.398305	387 0.481912	0.445748 9.50073	1	1	SG08S102
0.002054 1.40516	295 0.601695	387 0.518088		1	2	SG08S102
0.065066 0.810575	297 0.621212	390 0.669231	0.648472 3.4033	1	0	SG08S112
0.065066 1.23369	297 0.378788	390 0.330769	0.351528 3.4033	1	2	SG08S112
0.028331 0.806452	297 .0.5	700 0.553571	0.537613 4.8078	1	0	SG08S120
0.028331 1.24 0.143127 0.852151	297 0.5	700 0.448429	0.462387 4.8078	1	2	SG08S120
0.143127 0.852151	293 0.711804	746 0.743298	0.73438 2.14401	1	0	SG08S138

0.143127	1.1735	29	3 0,288396	746	0.256702	0.26564	2,14401	1	2	SG08S138
0.006102	0.764033	29		713	0.565217	0.545635	7.51987	1	0	SG08S15
0,008102	1.30884	29		713	0.434783	0.454365	7.51987	1	2	SG08S15
0.033807	1,23132	29	7 0.503367	701	0.451498	0.466934	4.50445	1	0	SG08S26
0.033807	0.812135	29	7 0.498833	701	0.548502	0.533066	4.50445	1	2	SG08S26
0.024806	1,27723	29	4 0.506803	397	0.445844	0.47178	5.03735	1	2	SG08S27
0.024806	0.782947	29	4 0.493197	397	0.554156	0.52822	5.03735	1	1	SG08S27
0.150121	0.852391	29	5 0.581356	397	0.619647	0.603324	2.07102	1	1	SG08S32
0.150121	1.17317	29	5 0.418644	397	0.380353	0.396676	2.07102	1	0	SG08S32
0.067347	1.20817	29	2 0.636986	618	0.592233	0,606593	3,34653	1	1	SG08S35
0.067347	0.827701	29	2 0.363014	618	0.407767	0.393407	3.34653	1	2	SG08S35
0.014737	0.777004	29			0.498088	0.47552	5.94763	1	1	SG08S39
0.014737	1.28699	29		523	0.501912	0,52448	5.94763	1	0	SG08539
0.353952	0.909915	29		689	0.386067	0.379451	0.85924	1	. 0	SG08S42
0.353952	1.099	29		689	0.613933	0.620549	0.85924	1	2	SG08S42
0.824719	0.963618	29		610	0.101639	0.100552	0.049054	1	1	SG08S46
0.824719	1.03775	29	5 0,901695	610	0.898361	0.899448	0.049054	1	3	SG08S48
0.00032	0.701393	29			0.604307	0.579787	12.9497	1	. 0	SG08S5
0.00032	1.42574	- 29	1 0.482818	743	0.395693	0,420213	12.9497	1 .	2	SG08S5
0.219611	0.88411	29	0 0.408621	685	0.438686	0.429744	1.50691	1	2	SG08S50
0.219611	1,13108	29		685	0.561314	0.570258	1.50691	1	0	SG08S50
0.004498	0.73126	29		381	0.547244	0.513373	8.07093	1	a	SG08S506
0.004498	1.3675	29		381	0.452758	0.486627	8.07093	1	2	SG08S506
0.021168	0.765893	29			0.363636	0,338406	5.31288	1	2	SG08S507
0.021168	1.30567	29		396	0.636364	0,661594	5.31288	1	3	SG08S507
0.001044	0.692023	29		392	0.441327	0.403959	10.7479	1	1	SG08S508
0.001044	1,44504	29		392	0.558673	0.596041	10.7479	1	3	SG08S508
0.804879	1,07435	28			0.789757	0.794793	0.2677	1	1	SG08S510
0.604879	0.930792	28			0.210243	0.205207	0.2677	1	0	SG08S510
0.238703	1,14198	29			0.407459	0.421899	1.38824	1	1	SG08S511
0.238703	0.875874	29		362	0,592541	0.578101	1.38824	1	3	SG08S511
0.117631	1,18967	29		388	0.399485	0.417647	2,44858	1	2	SG08S512
0.117631	0.84057	29	2 0.558219	388	0.800515	0.582353	2.44858	1	1	SG08S512
0.00892	0.749774	29	5 0.4	392	0.470663	0.44032	6.83873	1	1	SG08S517
0.00892	1,33373	29	5 0.6	392	0.529337	0.55968	6.83873	1	3	SG08S517
0.000365	1.49072	29	2 0.65411	397	0.559194	0.599419	12,701	1	1	SG08S520
0.000365	0.670815	29	2 0.34589	397	0.440806	0.400581	12,701	1	0	SG08S520
0.199841	0.856692	29	4 0.697279	391	0.7289	0.715328	1.64354	1	2	\$G08\$6
0.199841	1.16728	29	4 0.302721	391	0,2711	0.284672	1.64354	1	0	SG08S6
0.003309	0.721047	28	5 0.422807	380	0.503947	0.469173	8.62898	1	1	SG08S70
0.003309	1.38687	28	5 0.577193	380	0.498053	0.530827	8.62898	1	3	SG08S70
4.32E-05	1.49537	29	5 0.605085	740	0.506081	0.5343	16.7266	1	0	SG08S71
4.32E-05	0.668732	29	5 0.394915	740	0.493919	0.4657	16.7266	1	2	SG08S71
0.000207	0.662887	29	2 0.412671	378	0.51455	0.470149	13,7681	1	3	SG08S73
0.000207	1,60855	29	2 0.587329	378	0.48545	0.529851	13.7681	1	1	SG08\$73
0.195671	0.867883	29	3 0.44198	394	0.477157	0.462154	1.87439	1	1	SG08S78
0.195671	1,15223	29	3 0.55802	394	0.522843	0.537846	1.87439	1	2	SG08S76
0.91286	0.988164	29	6 0.508446	394	0.511421	0.510145	0.011975	1	. 0	SG08S90
0.91288	1.01198	29	B 0.491554	394	0.488579	0.489855	0.011975	1	1	SG08S90
0.007751	0.726157	29	7 0.765993	705	0.81844	0.802894	7.09002		1	SG08S93
0.007751	1.37711	29		705	0.18156	0.197106	7.09002	1	2	SG08S93
0.639646	0.94514	27		362	0.334254	0.328885	0.219205	1	0	SG08S94
0.639646	1.05804	27	5 0.678182	362	0.665746	0.671115	0.219205	1	2	SG08S94
0.000601	1.41718	29	4 0.496589	586	0.41041	0.439205	11.7742	1	2	SG08S95
0.000601	0.705628	29		586	0.58959	0.580795	11.7742	1	3	SG08S95
0.132106	1.18662	29		613	0.579935	0.59196	2,26758	1	2	SG08S96 '
0.132106	0.857175	29		613	0.420065	0.40804	2.26758	1	3	SG08S96
0.878948	0.976023	29		713	0.896914	0.896245	0.023196	1	0	SG08S97
0.878948	1.02457	29	0,105351	713	0,103086	0.103755	0.023196	1	1	SG08S97

71/90

Appendix 3: Output of association with bipolar disorder.												
			•			Frequency under Null Hypothesis						
1						Pot						
ļ			. <b>4</b>		70	至						
		eds	at c	ş	ş	2	Ę					
1		fect	Aff	aft.	Š	đer	afis					
}	<b>Üsk</b>	Ž	<u> </u>	ပ္ရွိ	æ	ă	Ω.	Ę				
0	8	er o	P.	- o	enc	ยืเล	<u>ra</u>	atío		<u>.</u>		
P-value	Relative Risk	Number of Affecteds	Frequency in Affecteds	Number of Controls	Frequency in Controls	ba	Chi-square Statistic	' . Information	Allele	Marker		
0.636132	0.927223	- <del>Z</del> - 96	正 0.640625	<u>호</u> 811	0.65783			<u> </u>	<u>₹</u>	AC022239-5		
0.227291	1.23196		0.28125	811	0.24106			i	ō	AC022239-5		
0.316779	0.740298	96	0.0625	811	0.0826141	0.080485		1 .	8	AC022239-5		
0.814911 0.863298	0.843158 1,20792	96 96	0.010417 0.005208	811 811	0.0123305 0.0043157	0.012128		1 1	-4 -8	AC022239-5 AC022239-5		
0.412413	2.12E-12	86	3.93E-15	811	0.0018496	0.001654	0.871834	1	-12	AC022239-5		
0.160568 0.421391	1.41548 1.15389	86 88	0.139535 0.313954	574 574	0.102787 0.283972			1 1	12 14	AC068974-2 AC068974-2		
0.23462	0.82084	88	0.395349	574	0.44338			i	0	AC088974-2		
0.860978	1,07122	86	0.046512	574	0.043554 0.0339721	0.043939		1	16	AC068974-2 AC068974-2		
0.440332 0.367219	0.677047 0.718343	86 86	0.023258 0.046512	574 . 574	0.0535721	0.032370		1	6 10	AC068974-2 AC068974-2		
0.134389	2.25E-14	86	1.58E-16	574	0.0069686			1	20	AC058974-2		
0.477172 0.597138	0.51057 6.66E-11	86 88	0.005814 4.94E-14	574 574	0.011324 0.0008711	0.010608		1 1	8 15	AC068974-2 AC068974-2		
0.116188	3.37871	86	0.017442	574	0.0052265	0.006818	2.46797	i	18	AC068974-2		
0.597138 0.518787	5.66E-11 2.23198	86 86	4.94E-14 0,005814	574 574	0.0008711 0.0026132	0.000758		1	2 -2	AC068974-2 AC068974-2		
0.043377	64445.2	86	0,005813	574	9.07E-08	0.000758		1	-2 -4	AC068974-2		
0.597138	-5.66E-11	86	4.94E-14	574		0.000758		1	13	AC068974-2		
0.754266 0.224689	0.933961 0.81593	93 93	0.145161 0.295899	780 780	0.153846 0.339744	0.152921 0.335052		1 1	0 2	AF131215-1 AF131215-1		
0.846815	1.0328	93	0.317204	780	0.310258	0.310997	0.03732	1	-2	AF131215-1		
0.462742 0.100567	0.692307 2.13967	93 93	0.021505 0.037635	780 780	0.0307692 0.0179487	0.029782		1	22 -4	AF131215-1 AF131215-1		
0.673039	1.16949	93	0.048387	780	0.0416867	0.042383		i	8	AF131215-1		
0.794508	1,09076	93	0.05914	780	0.0544872	0.054983		1	i 4	AF131215-1		
0.716617 0.271308	1.26229 1.49821	93 93	0.016129 0.053764	780 780	0.0128205 0.0365385	0.013173 0.038373	0.131758 1.21012	1	-6 10	AF131215-1 AF131215-1		
0.634992	6.50E-10	93	4.17E-13	780	0.000641	0.000573	0.225352	1	6	AF131215-1		
0.034229 0.501936	82457 1.77E-12	93 93	0.005376 2.28E-15	780 780	8,65E-08 0,0012821	0.000573	4.48322 0.45084	1 1	14 12	AF131215-1 AF131215-1		
0.187336	0.81879	98	0.484694	780	0.534615	0.529043	1.73844	1	0	AF131215-2		
0.152999	1.24434	98 98	0.454082	780	0.400641	0.406608	2.04209	1	4	AF131215-2		
0.699807 0.416268	0.878137 2,00001	98	0.051021 0.010204	780 780	0.0576923 0.0051282	0.056948	0.148673 0.660829	1	8 -4	AF131215-2 AF131215-2		
0.399191	1.69E-12	98	3.26E-15	780	0.0019231	0.001708	0.710761	1	-8	AF131216-2		
0.244447 0.018541	0.834808 1.4314	97 97	0.386598 0.525773	795 795	0.430189 0.436478	0.425448 0.448188	1.35476 5.54432	1	0 14	AF131215-4 AF131215-4		
0.482884	0,81344	97	0,06701	795	0.0811321	0.079598	0.492344	i	12	AF131215-4		
0.017526 0.968347	0.170104 1.02487	97 97	0.005155 0.015484	795 795	0.0295597 0.0150943	0.026906 0.015135	5.64289 0.001575	1	8	AF131215-4 AF131215-4		
0.239428	5,16E-12	97	1.96E-14	795	0.0037738	0.003363	1,38396	1	16 18	AF131216-4		
0.282932	8.68E-13	. 97	2.74E-15	795	0.0031447	0.002803	1.15295	1	10	AF131215-4		
0.631289 0.282669	5.34E-10 1.36545	97 96	3.36E-13 0.083333	795 801	0.0006289	0.000561 0.06466	0.230316 1.15421	1	4 -6	AF131215-4 AF188029-1		
0.268777	0.834559	96	0.307292	801	0.347066	0,342809	1.22298	1	0	AF188029-1		
0.549289 · 0.594626	0.886101 1.10444	96 96	0.166667 0.21875	801 801	0.184145 0.202247	0.182274		1 1	-8 -4	AF188029-1 AF188029-1		
0.821729	0.907332	98	0.03125	801	0.0343321	0.034002	0.05077	i	2	AF188029-1		
0.239275	0.525159	98	0.015625	801	0.0293383	0.027871	1.38486	1	-12	AF188029-1		
0.31964 0.171693	1.29493 1.53673	98 96	0.104167 0.072917	801 801	0.082397 0.0486891	0.084727 0.051282	0.990419 1.8681	1	-2 -10	AF188029-1 AF188029-1		
0.834164	4.00E-10	96	2.50E-13	801	0.0006242	0.000557	0.226457	1	6	AF188029-1		
0.074425 0.857218	7.99E-12 1.02828	96 95	7.05E-14 0.431579	801 804	0.0087391 0.424751	0.007804	3.18262 0.032371	1	4 0	AF188029-1 AF188029-10		
0.44934	0.887774	95	0.378947	804	0.407338	0.404338	0.572316	1	2	AF188029-10		
0.891359	0.869309	95 05	0.047368	804 804	0.0541045	0.053393	0.157618	1	8	AF188029-10		
0.244804 0.714284	1.38547 1.15403	95 95	0.1 0.042105	804	0.0762488 0.0366915		1.35271 0.134035	1	4 -2	AF188029-10 AF188029-10		
0.503764	4.00E-10	95	4.98E-13	804	0.0012438	0.001112	0.446998	1	-4	AF188029-10		
0.636436 0.717684	5.51E-10 1.07492	95 94	3.43E-13 0.18617	804 795	0.0006219 0.175472	0.000558		1	6 0	AF188029-10 AF188029-12		
0.793631	0.926871	94	0.074468	795	0.0798742	0.079303	0.068434	1	4	AF188029-12		
0.634645 0.438125	1.07691	94 94	0.579787 0.138298	795 795	0.561635 0.159748	0.563555 0.15748	0.225814 0.601188	1	-12 -1	AF188029-12 AF188029-12		
0.862499	0.844172 1.20931	94	0.136298	795	0.0044025	0.004499	0.029996	1	-4 12	AF188029-12		
0.775155	0.843242	94	0.015957	795	0.0188679	0.01856	0.08159	1	8	AF188029-12		

FIG. 11D1

0.196727 0.8208									
				0.5846	72 0.5794	7 1.66651	1	_	A E 4 0 0 0 0 0
0.248982 1.1944			809		88 0.39459			0	
0.552933 1.4792		0.015464	809	0.01050			1	-4	
0.53362 0.5537		0.005158	809				1	2	
0.191893 3.3604	1 97						1	-2	AF188029-7
0.340916 1.01E-1					02 0.00386		1	4	AF188029-7
0.639475 1.0932							1	8	AF188029-7
0.067242 0.69209							1	0	AF287957-1
		-,			96 0.38281:	2 3.34908	1	-6	
		0.055556		0.01893	09 0.02343		i	4	AF287957-1
0.880581 1.06508		0.055556	449	0.05233	85 0.052734	0.02257	i	-4	
0.475142 1.51682		0.031746	449	0.02115					AF287957-1
0.423074 1.60292	2 63	0.031746		0.020044			1	2	AF287957-1
0.945167 0.949461	63	0.015873		0.016703			1	-2	AF287957-1
0.11589 1.87752							1	-14	AF287957-1
0.968953 0.993269				0.039792			1	-12	D8S1130
0.215318 0.78042				0.24625	1 0.246122	0.001515	1	4	D8S1130
				0.19031	1 0.18866	1.53532	1	ó	D8S1130
			867	0.095732	24 0.095657	0.001114	1	8	D8S1130
0.818831 1.04133		0.235	867	0.22779	7 0.228542		1 .	-8	
0.720807 0.927687		0.145	867	0.15455					D8S1130
0.441571 1.33774	100	0.045	867	0.034025			.1	-4	D8S1130
0.978816 1.0202	100	. 0.01	867	0.009803			1	12	D8S1130
0.418155 4.07E-12		7.05E-15	867				1	16	D8S1130
0.033087 79563.9	100	0.004999		0.001730			1	2	D8S1130
0.837578 1.03489	99		867	6.32E-0		4.54233	1	20	D8S1130
0.909489 1.01727		0.282828	839	0.27592	4 0.276652	0.042022	1	0	D8S1469
	99	0.469697	839	0.46543	5 0.465885	0.012924	1	4	D8S1469
	99	0.171717	839	0.14898	7 0.151388	0.69067	i	8	
0.704869 1.27538	99	0,015152	839	0.011919		0.143456	i		D8S1469
0.237766 0.657424	99	0.040404	839	0.0601907		1.39379		12	D8S1469
0.20717 0.546582	99	0.020202	839	0.0363528			1	3	D8S1469
0.504045 1.40E-12	99	1.67E-15	839	0.0011919		1.5911	1	-4	D8S1469
0.20041 0.81685	90	0.422222	845			0.446409	1	7	D8S1469
0.666936 0.921986	90	0.216667		0.472189		1.63938	1	0	D8S1695
0.007851 2.01962	90	0.122222	845	0.230769		0.185207	1	8	D8S1695
0.891445 1.04602			845	0.064497		7.06711	1	6	D8S1695
0.67357 0.899543	90	0.061111	845	0.0585799	0.058824	0.018626	1	10	D8S1695
	90	0.105556	845	0.115976	0.114973	0.177455	1	4	
0.167585 1.7815	90	0.044445	845	0.0254438		1.9046	i		D8S1695
0.935689 1.04419	90	0.022222	845	0.0213018		0.006511		12	D8S1695
0.968082 1.04345	90	0.005556	845	0.0053254			1	2	D8S1695
0.233447 3.37E-13	90	1.40E-15	845	0.0000204	0.003348	0.001601	1	14	D8S1695
0.524484 4.71E-13	90	5.58E-16	845	0.004142		1.41974	1	16	D8S1695
0.652729 1.90E-10	90	1.12E-13		0.0011834		0.405068	1	-4	D8S1695
0.348647 0.840511	96		845	0.0005917	0.000535	0.202477	1	9	D8S1695
		0.213542	643		0.240189	0.878374	1	34	D8S1721
	96	0.020833	643	0.0404355	0.037889	2.04823	1	36	D8S1721
0.916389 1.01665	98	0.411458	643	0.407465	0.407984	0.011021	1	0	
0.785034 0.937634	96	0.119792	643	0.12675	0.125846	0.074404	1		D8S1721
0.064966 1.54723	96	0.140625	643	0.0956454	0.101488	3.40584		2	D8S1721
0.565421 0.666315	96	0.010417	643	0.0155521			1	4	D8S1721
0.084188 1.79531	96	0.067708	643	0.0388802			1	8	D8S1721
0.807385 0.835523	96	0.010417	643			2.98213	1	24	D8S1721
0.479937 0.512687	96	0.005208		0.0124417		0.059439	1	32	D8S1721
0.23772 1.71E-12	96		643	0.0101089	0.009472	0.499006	1	38	D8S1721
0.597747 4.11E-11	96	6.69E-15	643	0.003888	0.003383	1.39406	1	26	D8S1721
		3.20E-14	643	0.0007776	0.000677	0.278407	1	6	D8S1721
	96	3.20E-14	643	0.0007776	0.000877	278407	i	-4	
0.360592 8.65E-12	96	2.02E-14	643	0.0023328		0.83583	i		D8S1721
0.697747 4.11E-11	96	3.20E-14	643			278407		30	D8S1721
0.142602 0.801487	101	0.564356	866				1	-2	D8S1721
0.397877 0.793563	101	0.074258	866	0.0918014		2.14965	1 '	0	D8S1759
0.466242 1.40237	101	0.029703	866			.714734	1	2	D8S1759
0.07637 1.62526	101	0.094059				.530869	1	6	D8S1759
0.357415 1.22571	101			0.0600462	0.063599	3.1405	1	4	D8S1759
0.33652 1.34288	101	0.138814 0.069307	868	0.116051	0.118407 0	.846955	1	12	D8S1759
0.544338 0.656155			866	0.0525404	0.054292 0	.923645	1		D8S1759
	101	0.009901	866	0.0150116	0.014478 O	367562	1		D8S1759
	101	0.004951	866	0.0092379	0.00879 n	44F127	i		
0.962661 1.02935	101	0.014852	866	0.0144342	0.014478 0.	002102			D8S1759
0.415705 4.59E-12	101	7.96E-15	866	0.0017321			1		D8S1759
0.373568 1.18012	63	0.5	702				1		D8S1759
0.322398 0.685215	63	0.055556			0.462092 0.		1	0 1	DBS1825
0.593823 1.15537	63		702	0.0790598 (	0.077124	0.9792	1	8 1	DBS1825
0.093314 0.649083	63			0.126068 (	0.127451 0.		1		D8S1825
0.495342 1.216			702 702	0.193732	0.188889 2	2.81625	1	_	DBS1825
	63			0.106838 (	0.108497 0.4	464902		_	08S1825
*	63			).0049858 C		169367			
0.25365 1.96863	63		702 0			.30309			08S1825
0.353489 1.48E-11	63	5.28E-14			0.003268 0.8	RORDA			08S1825
0.119951 4.40E-11	63			0.0099715					08S1825
0.67839 · 1.14E-11	63			0007422 4	0,00010 2	.41798 1		12 [	8S1825
0.317308 1.18665	79		244 244	0.000/123 0	.000854 0.1			14 0	8S1825
0.11626 1.40175	79					.00001 1		-	8S285
0.019755 2.24E-11					.157609	2.467 1			85265
	79			.0178359 0	.016304	5.4334 1			
0.265927 0.686637	79		341 Đ.			23764 1		_	8S265
0.260573 0.757916	79	0.120253 8		0.152794					8S265
0.872194 0.877854					.084783 0.1				8S265
0.757312 1.12702	_		41 0.	D451849 A	045652 0.0				8\$265
	-					95489 1		12 D	85265
					_				

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0.790552	1.07922	79	0.094937	841	0.088585	0.08913	0.07054	1	14	D8\$265
					0.0005945	0.000543	0.179615	1		D8S265
0.671704	2.16E-10	79	1.29E-13	841					-3	
0.079875	2.92E-12	79	2.98E-14	841	0.010107	0.009239	3.06744	1	16	D8S265
0.343023	3.46E-12	79	1.03E-14	841	0.0029727	0.002717	0.899099	1	8	D8S265
0.462784	1.45E-12	79	2,60E-15	841	0.0017838	0.00163	0.539152	1	10	D8S265
		79	1.29E-13		0.0005945	0.000543	0.179615	1	20	D8S265
0.671704	2.16E-10			841						
0.671704	2.16E-10	79	1.29E-13	841	0.0005945	0.000543		1	1	D8S265
0.671704	2.16E-10	79	1,29E-13	841	0.0005945	0.000543	0.179615	1	-4	D8S265
0.700978	1,12637	64	0.101562	762	0.0912074	0.09201	0.147457	1	0	D8S351
					0.204068	0.208232	1.97068	i	18	D8S351
0.160376	1.35485	64	0.257812	762						
0.140611	1.36698	64	0.273438	762	0.215879	0.220339	2.17126	1	2	D8S351
0.0828	0.610815	64	0.101563	762	0.156168	0.151937	3.00906	1	6	D8S351
	1.42E-11	64	1.70E-13	762	0.011811	0.010898	2.91993	1	10	D8S351
0.087491										D8S351
0.329101	0.689311	64	0.054687	762	0.0774278	0.075666	0.952431	1	8	
0.714128	0.844366	64	0.039063	762	0.0459318	0.0454	0.134188	1	20	D8S351
0.475253	0.758494	64	0.054688	762	0.0708661	0.069613	0.509735	1	4	D8S351
						0.089588	0.235503	1	18	D8S351
0.627473	1.16309	64	0.101563	762	0.0885827					
0.230432	0.355762	64	0.007812	762	0.0216535	0.020581	1.43819	1	14	D8S351
0.132055	1.12E-12	64	1.03E-14	762	0.0091864	0.008475	2,26817	. 1	12	D8S351
0.641023	1.70641	64	0.007813	762	0.0045932	0.004843	0.217407	1	-2	D8S351
									22	D8S351
0.421548	1.39E-10	64	· 3.67E-13	762	0.0026247	0.002421	0.646001	1		
0.720445	0.943516	96	0.322917	825	0,335758	0.334419	0.128067	1	-6	D8S503
0.650243	0.928762	96	0.317708	825	0.333939	0.332248	0.205594	1	0	D8S503
0.368534	1.19191	96	0.197917	825	0.171515		0.8086	1	-2	D8S503
0.55512	0.814091	96	0.046875	825	0.0569697	0.055918	0.348225	1	<del>-4</del>	D8S503 .
0.776741	0.885429	96	0.03125	825	0,0351515	0.034745	0.080411	1	2	D8S503
0.143381	1.53953	96	0.083333	825	0.0557576	0.058632	2.14129	1	8- ۱	D8S503
				825	0,0018182	0.001629	0.661029	1	-10	D8S503
0.416197	9.71E-12	96	1.77E-14							
0.158706	3.62E-12	96	1.98E-14	825	0.0054546	0.004886	1.98651	1	4	D8S503
0.250019	8.33E-13	96	3.04E-15	825	0.0036364	0.003257	1.3232	1	-12	D8S503
0.026569	0.718368	101	0.50495	876	0.586758	0.578301	4.91862	1	2	D8S516
										D8S516
0.12838	1.30831	101	0,247525	876	0.200913		2.31198	1	4	
0.351225	1.2526	101	0.113861	876	0.0930365	0.095189	0.869025	1	0	D8S516
0.804679	1.06406	101	0.09901	876	0.0936073	0.094188	0.061155	1	-2	D8S516
0.624055	1.37502	101	0.014851	876	0.0108448	0.011259	0.240209	1	-4	D8S516 ·
									6	
0.262284	0.373998	101	0.00495	876	0.0131279	0.012283	1.25666	1		D8S516
0.014431	8.78888	101	0.014851	876	0.0017123	0.003071	5.98463	1	8	D8\$516
0.147569	. 1.2585	95	0.415789	663	0.361237	0.368074	2,0972	1	6	D8S520
		95	0.163158	663	0.217195		3,07815	1	8	D8S520
0.079351	0.702699									
0.07372	0.236635	95	0.005263	683	0.0218703		3.19818	1	10	D8S520
0.454748	1.19606	95	0.126316	663	0.107843	0.110158	0.558791	1	0	D8S520
0.681499	0.875169	95	0.057895	663	0.0656109	0.064644	0.168443	1	-10	D8S520
				663	0.10181	0.106201	2.01267	1	4	D8S520
0.155991	1.39865	95	0.136842							
0.119945	7,46E-12	95	5.10E-14	663	0.0067873	0.005937	2.41804	1	-12	D8S520
0.643367	0.886546	95	0.094737	663	0.105581	0.104222	0.214366	1	2	D8\$520
0.061455	3,16E-16	95	3.13E-18	663	0.0098039	0.008575	3,49769	1	-2	D8S520
										D8S520
0.48409	1.17E-13	95	1.77E-16	663	0.0015083	0.001319	0.536012	1	12	
0.604738	9.35E-12	95	7.06E-15	663	0.0007541	0.00068	0.267911	1	9	D8S520
0.160754	0.808303	97	0.474227	840	0.527381	0.521878	1.96712	1	0	D8S542
0.554142	0.907693	97	0.304124	840	0.325	0.322839		1	2	D8S542
0.007528	1.67593	97	0.22165	840	0.145238	0.153148	7.14237	1	4	D8S542
0.417889	1.77E-10	97	3.16E-13	840	0.0017857	0.001601	0.656244	1	-2	D8S542
0.64009	4.66E-14	97	2.78E-17	840	0.0005952	0.000534	0,218624	1	-12	D8S542
0.709164	1.10417	93	0.096774	814	0.0884521	0.089305	0.139113	1	-8	D8S550
					0.117936	0.118523			12	D8S550
0.820119	1.05534	93	0,123656	814			0.051707	1		
0.07782	0,726739	93	0.22043	814	0.280098	0.27398	3.10985	1	14	D8S550
0.170811	0.72134	93	0.107527	814	0.14312	0.139471	1.87581	1	-2	D8S550
0.064467	2.12756	93	0.048387	814	0.0233415	0.02591	3.41856	1	8	D8S550
		93	0.064516	814	0.0374693		2.74473	1	18	D8S550
0.097575	1.77163									
0.55045	0.826982	93	0.05914	814	0.0706388		0.356512	1	-6	D8S550
0.487631	1.19986	93	0.102151	814	0.0866093	0.088203	0.481749	1	16	D8S550
0.656014	1.14821	93	0.069893	814	0.0614251	0.082293	0.198401	1	0	D8S550
0.395481	1.28543	93	0.080645	B14	0.0638821	0.065601	0.722025	1	10	D8S550
					0.0055283	0.004961			2	D8S550
0.162329	6.71E-12	93	3.73E-14	B14			1.9524	1		
0.343372	1.63802	93	0.026882	814	0.0165848	0.017641	0.897801	1	20	D8S550
0.51053	1.09E-10	93	1.35E-13	814	0.0012285	0.001103	0.43298	1	6	D8S550
0.351936	2.92E-14	93	7.19E-17	<b>B14</b>	0.002457	0.002205	0.866466	1	22	D8S550
				814	0.0012285	0.001103	0.43298	i	4	D8S550
0.51053	1.09E-10	93	1.35E-13							
0.136893	0.656779	27	0.5	391	0.603581	0.59689	2.21254	1	1	DG00AAHBG
0.136893	1,52258	27	0.5	391	0.396419	0.40311	2.21254	1	2	DG00AAHBG
0.300119	0.81773	66	0.659091	725	0.702759		1.07366	i	2	DG00AAHBH
										DG00AAHBH
0.300119	1.2229	66	0.340909	725	0.297241		1.07366	1	1	
0.247129	0.797863	62	0.629032	811	0.680025		1.33946	1	3	DG00AAHBI
0.247129	1.25335	62	0.370968	811	0.319975	0.323597	1.33946	1	1	DG00AAHBI
	1.25165	86	0.232558	531	0.194915	0.200162	1.26941	i	ò	DG8S117
0.259878										
0.259878	0.798948	86	0.767442	631	0.805085	0.799838	1.26941	1	9	DG8S117
0.949601	0.983559	101	0.910891	826	0.912228	0.912082		1	0	DG8S118
0.949601	1.01672	101	0.089109	826	0.0877724	0.087918	0.003995	1	5	DG8S118
	0.826649	87	0.396552	604	0.442881	0.437048	1.33609	1	ŏ	DG8S127
0.247725										
0.51935	0.845888	87	0.103448	604	0.120033		0.415183	1	6	DG8S127
0.09882	1.30975	87	0.5	604	0.432947	0.441389	2.75716	1	1	DG8S127
0.245581	8.27E-12	87	3.44E-14	604	0.0041391	0.003618	1.34827	1	2	DG8S127
					-10 44					

0.677323	0.92813	93	0.736559	646	0.750774	0.748985	0.173155	1	0	DG8S128
	1.07744	93	0.263441							
0.677323				646	0.249226			1	4	DG8S128
0.610112		92	0.353261	772	0.372409			1	4	DG8S130
0,334773	0.860241	92	0.5	772	0.537565	0.533565	0.930347	1	0	DG8S130
0.002632	2.62787	92	0.086957	772	0.0349741	0,040509	9.04817	1	16	DG85130
0.986165	0.987072	92	0.01087	772	0.0110104	0.010995		1	-4	DG8S130
0.684976	1.18581	92	0.043478	772	0.0369171			1	8	DG8S130
0.244659	6.34E-13	92	2.47E-15	772	0.003886			1	-12	DG8S130
0.291287	4.2132	92	0.005435	772	0.0012953			1	12	DG8\$130
0.410915	2.49E-11	92	4.84E-14	772	0.001943	0.001738	0.676151	1	-8	DG8S130
0.71498	1.08295	98	0.862245	739	0.852503	0.853644	0,133354	1	0	DG8S134
0.592821	0.888749	98	0.132653	739	0.14682		-	1	4	DG8\$134
0.183435	7,57436	98	0.005102	739	0.0006766			1	2	DG8S134
0.774128	1.04852	92	0.668478	779	0.657895			1	0	DG8S136
0.986516	1.00499	92	0.076087	779	0.0757381	0.075775	0.000286	1	-6	DG8S138
0.803865	1.09048	92	0.054348	779	0.0500642	0.050517	0.061677	1	2	DG8\$136
0.641268	0.84886	92	0.048913	779	0.0571245	0.056257	0.217088	1	-4	DG8S136
0.940311	1,02503	92	0.059783	779	0.0584082			1 .	. 4	DG8S136
0.39935		92	0.032609	779	0.0455712				. <del>.</del> 6	DG8S136
								.1		
0.251291	0.532856	92	0.016304	779	0.0301669	0.028703		1	-2	DG8S136
D.412203	1.52634	92	0.027174	779	0.0179718	0.018944	0.672438	1	8	DG8S138
0.290348	3.25E-12	92	1.05E-14	779	0,0032092	0.00287	1.11801	1	-8	DG8S138
0,288632	4.2514	92	0.005435	779	0.0012837	0.001722	1.12599	1	10	DG8\$136
0.636514	4.82E-11	92	3.09E-14	779	0.0006418			1	-10	DG8S136
0.08618	5.69597	92	0.01087	779	0.0019256			i	-14	DG8S138
	0.554385	19	0.210526	234	D.32478B			1	-2	DG8S137
0.24739	1.87447	19	0.131579	234	0.0747863		1.33798	1	٠ 2	DG8\$137
0.971193	1.02778	19	0.052632	234	0.0512821	0.051383	0.001304	1	10	DG8S137
0.753076	0.825975	19	0.078947	234	0.0940171	0.092885	0.098965	1	4	DG8S137
0.616114	1.29561	19	0.131579	234	0.104701	0.106719	0.251367	1	6	DG8S137
0.470942	1.46006	19	0.131579	234	0.0940171	0.096838	0.519764		-4	DG8S137
								1	-	
0.558647	0.780645	19	0.184211	234	0.224359	0.221344	0.342052	1	0	DG8S137
0.697516	1.55406	19	0.026316	234	0.017094		0.151068	1	12	DG8S137
0.193815	6,29729	19	0.026316	234	0.0042735	0.005929	1.68838	1	18	DG8S137
0.692589	1.98E-10	19	4.23E-13	234	0.0021368	0.001976	0.156297	1	14	DG8S137
0.428411	1.33E-11	. 19	1.14E-13	234	0.008547		0.627129	i	8	DG8S137
0.022558	108030	19	0.026313	234	2.50E-07		5.20224	i	16	DG8S137
0.059505	0.607662	91	0.082418	761	0.128778		3.55114	1	-1	DG8S138
0.056362	1.65529	91	0.917582	761	0.870565		3.64134	1	0	DG8S138
0.634523	4.06E-10	91	2.67E-13	761	0,000857	0.000587	0.225977	1	1	DG8S138
0.992623	1.00158	81	0.401235	585	0.400855	0.400901	8.55E-05	1	0	DG8S147
0.990781	1.00198	81	0.598765	585	0.598291	0.598348	0.000134	1	2	DG8S147
0.610492	1.11E-12	81	9.53E-16	585	0.0008547		0.25946	i	ī	DG8S147
0.306745	0.715394	97	0.051546	694	0.0706052				-4	
							1.04484	1		DG8S148
0.189157	1.24392	97	0.324742	694	0.278818	0.28445	1.72417	1	2	DG8S148
0.023262	0.644275	97	0.170103	694	0.241354	0.232617	5.14887	1	-2	DG8S148
0.486186	1.11554	97	0.402062	694	0.376081	0.379267	0.484957	1	0	DG8S148
0,499249	1.31378	97	0.041237	694	0.0317003	0.03287	0,456533	1	4	DG8S148
0.003727	78879.2	97	0.010308	694	1.32E-07		8,41214	1	В	DG8S148
0.469286	5.48E-11	97	7.91E-14	694	0.0014409		0.523658	1	-17	DG8S148
0.113102	1.39634	50	0.51	473	0.427061	0.43499	2.51033	1	-2	DG8S153
0.755554	0.90203	50	0.11	473	0.120507		0.096923	1	0	DG8S153
0.630406	0.626936	50	0.01	473	0,0158562	0.015296	0.231511	1 .	-6	DG8S153
0,693522	0.815219	50	0.04	473	0.0486258	0.047801	0.155299	1	2	DG8S153
0.843493	0.938637	50	0.12	473	0.12685	0.126195	0.038978	1	6	DG85163
0.836	1.13938	50	E0.0	473	0.0284271	0.026769	0.042854	i	14	DG8S153
0.081855	0.540989	50	0.08		0,138478					
				473		0.132887	3.02767	1	8	DG8S153
0.940056	1.03404	50	0.06	473	0.0581395	0.058317	0.005655	1	10	DG85153
0.934189	1.05269	50	0.03	473	0.0285412		0.006819	1	4	DG8\$153
0.315528	1.24E-11	50	6.58E-14	473	0.0052854	0.00478	1.0074	1	12	DG8S153
0.480374	2.37881	50	0.01	473	0.0042283	0.00478	0.498013	1	-4	DG8S153
0.691922	0.906871	43	0,290698	453		0.309476	0.157012	1	4	DG8S155
0.260822	1.47027	43	0.139535	453	0.0993377		1,26439	i	8	DG8S165
0.980677	0.990648	43	0.093023		0.093819					
				453		0.09375		1	2	DG8S155
0.318582	0.759107	43	0.197674	453	0.245033		1.00302	1	6	DG8S155
0.613999	1.38763	43	0.034884	453	0.0253863	0.02621	0.254392	1	14	DG8S155
0.45684	1.29768	43	0.127907	453	0.101545	0.103831	0.554118	1	0	DG8\$155
0.682666	0.825983	43	0.058139	453	0.0695364	0.068548	0,16714	1	10	DG8S155
0.319821	0.515478	43	0.023256	453	0.0441501			í	12	DG8S155
0.128687	10.6473	43	0.011628	453	0.0011037					DG8S155
							2,30827	1	-18	
0.331858	3.54119	43	0.011628	453	0.0033113	0.004032		1	-10	DG8S155
0.670119	8.40E-13	43	9,28E-16	453	0.0011038	0.001008		1	-2	DG8S155
0.460382	1.52E-11	43	5.04E-14	453	0.0033113	0.003024	0.544986	1	16	DG8S155
0.128687	10,6473	43	0.011628	453	0.0011037	0.002016	2,30827	1	-12	DG8S155
0.40513	1.14371	89	0.41573	777	0.383526	0.386836				DG8S156
0.245044								1	6	
	0.83143	89	0.522472	777	0.568211	0.56351	1.35134	1	0	DG8S156
0.20887	1.63567	89	0.050562	777	0.0315315		1.57924	1	-6	DG8S156
0.401222	2.9209	89	0.005618	777	0.0019305	0.002309	0.704652	1	3	DG8S156
0.285718	0.378077	89	0,005618	777	0.0148005	0.013857	1.23872	1	9	DG8S156
0.33947	0.732904	82	0.920732	556	0.940647	0.938088		1	ō	DG8S159
0.475481	1.29748	82	0.060976	558	0.0476619	0.049373		i.	-2	DG89159
0.502159	1.57525	82	0.018293	556	0.0116908					
J.UUZ 100	1.01023	QZ.	0.010253				7,6000,7	1	2	DG8S159
					10 11	$\Gamma \setminus A$				

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0.365298	0.8673	95	0.389474	735	0.42381	0.41988	0.819604	1	0	DG8S161
0.365296	1.153	95	0.810526	735 ~	0.57619	0.58012	0.819604	1	2	DG8S161
									ō	DG8S163
0.104578	1.27982	97	0.530928	815	0.469325		2.6343	1		
0.104578	0.781357	97	0.469072	815	0.530875	0.524123	2.6343	1	3	DG8S163
0.616405	1.09015	83	0.349398	759	0.33004			1	0	DG8S170
0.438895	0.877032	83	0.620482	759	0.650856	0.647862	0.599168	1	2	DG8S170
0.413258	1.60494	83	0.024096	759	0.0151515	0.016033	0.66941	1	-4	DG8S170
			0.006024	759					-19	DG8S170
0.266779	4.59391	83			0.0013175		1.23323	1		
0.519255	9.02E-11	83	1.19E-13	759	0.0013175	0.001188	0.415373	1	-8	DG8S170
0.519255	9.02E-11	83	1.19E-13	759	0.0013175	0.001188	0.415373	1	-2	DG8S170
0.139776	0.791041	95	0.378947	643	0.435459	0.428184	2.18043	1	14	DG8Ş177
0.693639	0.675133	95	0.005263	643	0.0077761	0.007453	0.155174	1.	20	DG8\$177
0.364696	1.17506	95	0.268421	643	0.237947	0.24187	0,821658	1	12	DG8S177
0.653875	1.12247	95	0.105263	643	0.0948678	0.096208	0.201049	1	18	DG8S177
				643	0.0015552			1	.2	DG8S177
0.457666	9.87E-11	95	1.54E-13							
0.880841	0.951725	95	0.057895	643	0.0606532	0.060298	0.022471	1	0	DG8S177
0.82908	1.05125	95	0.131579	643	0.125972	0.126694	0.046605	1	16	DG8S177
							***			
0.278312	1.49758	95	0.052632	643	0.0357698	0.03794	1.17631	1.	10	DG8S177
0.724908	0.944594	87	0.511494	622	0.525723	0.523977	0.123839	1	'0	DG8S179
				622				1	7	
0.724908	1.05866	87	0.488506		0.474277					DG8S179
0.762507	0.948204	95	0.263158	. 625	0.2738	0.272222	0.091319	1	10	DG8S181
0.143746	0.763986	95	0.21579	625	0.2648		2,1374	1	12	DG85181
0.095135	0.638224	95	0.078947	625	0.1184	0.113194	2.78526	1	4	DG8S181
0.180075	1.39938	95	0.121053	625	0.0896	0.09375	1.79701	1	0	DG8S181
0.08582	1.43454	95	0.184211	625	0.136		2.95109	1	8	DG8S181
0.506027	1.47192	95	0.021053	625	0.0144	0.015278	0.442274	1	16	DG8S181
	0.91141			625	0.0288			1	, 18	DG8S181
0.846265		95	0.026316							
0.624977	1.1672	95	0.068421	625	0.0592	0.060417	0.238934	1	14	DG8S181
0.205305	3.31384	95	0.010526	625	0.0032	0.004167	1.60423	1	-2	DG8S181
0.84956	0.821429	95	0.005263	625	0.0064	0.00625	0.035978	1	2	DG8S181
0.953238	0.93953	95	0.005263	625	0.0056	0.005558	0.003439	1	6	DG8S181
0.351987	0.752231	68	0.897059	818	0.920538	0.918736		1	0	DG8S182
0.351987	1.32938	68	0.102941	818	0.0794621	0.081264	0.866281	1	-3	DG8S182
				641	0.76131	0.75831	0.550882	i	0	DG8S188
0.457958	0.867661	81	0.734568							
0.457958	1.15252	81	0.265432	641	0,23869	0.24169	0.550882	1	-1	DG8S188
0.419757	1.1713	59	0.59322	568	0.554577	0.558214	0.650995	1	. 0	DG8S192
0.51537	1.17558	59	0.194915	568	0.170775	0.173046	0.423149	1	2	DG8S192
0,207352	0.338217	59	0.008475	568	0.0246479	0.023126	1.58982	1	16	DG8S192
								1	-2	DG8S192
0.245975	0.658408	59	0.067797	568	0.0994718		1.34602			
0.677246	1.16807	59	0.076271	568	0.0660211	0.066986	0.173242	1	4	DG8S192
0.319662	2.38E-12	59	1.05E-14	568	0.0044014	0.003987	0.990328	1	8	DG8S192
0.57227	0.800065	59	0.059322	568	0.0730634	0.07177	0.318899	1	12	DG8S192
0.529354	1.62E-13	59	2.87E-16	568	0.0017606	0.001595	0.395632	1	-4	DG8S192
0.373517	7.84E-11	59	2.77E-13	568	0.0035211	0.00319		1	10	DG8S192
0.529354	1.62E-13	59	2.87E-16	568	0.0017608	0.001595	0.395632	1	14	DG8S192
		97	0.546392	730	0.632192		5,26301	i	0	DG8\$197
0.021783	0.700803									
0.021783	1.42694	97	0.453608	730	0.367808	0.377872	5.26301	1	1	DG8S197
0.092803	1.29436	98	0.566327	677	0.502216	0.510323	2,82506	1	0	DG8S201
0.935151	0.98689	98	0.331633	677	0.334564	0.334194	0.00882	1	4	DG8S201
0.021273	0.54752	98	0.076531	677	0.131462	0.124516	5.30432	1	-2	DG8S201
		98		677	0.0317578	0.030968	0.234624	1	2	DG8S201
0.628116	0.798125		0.02551							
0.779148	0.908211	97	0.948454	735	0.953061	0.952524	0.078641	1	Ö	DG8S212
0.779148	1.1035	97	0.051546	735	0.0469388	0.047476	0.078641	1	2	DG8S212
0.501767	0.866166	53	0.613207	392	0.646684	0.642697	0.451197	1	4	DG8S215
0.469316	1.1675	53	0.386792	392	0.350765	0.355056	0.523585	1	0	DG8S215
0.476067	6.32E-11	53	1.62E-13	392	0.002551	0.002247	0.507858	1	2	DG8S215
0.049325	1.4219	83	0.445783	292	0.361301	0,38	3.86426	1	0	DG8S221
0.492758	1,14224	83	0.301205	292	0.273973	0.28	0.470498	1	5	DG8S221
						0.149333		i		
0.001985	0.416254	83	0.078313	292	0.169521		9.56296		-2	DG8S221
0,357409	0.668952~	83	0.036145	292	0.0530822	0.049333	0.846976	1	7	DG8\$221
0.922396	0.974125	83	0.120482	292	0.123288	0.122667	0.00949	1	4	DG8S221
0.868514	0.878049	83	0.012048	292	0.0136986	0.013333	0.027406	1	1	DG8S221
0.479182	4.03E-11	83	6.91E:14	292	0.0017123	0.001333	0.500724	1	8	DG8\$221
0.655811	1.76363	83	0.006024	292	0.0034247	0.004	0.198652	1	-1	DG8S221
0.787685	1.04516	94	0.340426	726	0.330578	0.331707	0.072532	1	0	DG8S232
0.458767	1.12444	94	0.409575	726	0.381543	0,384756	0.548901	1	2	DG8S232
0.053827	0.622749	94	0.095745	726	0.145317		3.71806	1	-8	DG85232
0.695287	1.11362	94	0.090426	726	0.0819559	0.082927	0.153421	1	-4	DG8S232
		84	0.037234	728	0.0378788		0.00191	i	4	DG8S232
0.965139	0,982323									
0.519055	1.38954	94	0.026596	726	0.0192837	0.020122	0.41577	1	-2	DG8\$232
0.621627	8.43E-13	94	5.81E-16	726	0.0006887	0.00081	0.243588	1	-6	DG8S232
0.323362	1.26E-10	94	3.48E-13	726	0.0027548		0.9753	1	6	DG8S232
0.030967	2.01171	96	0.953125	672	0.90997	0.915365	4.6548	1	0	DG8\$238
0.030967	0.497086	96	0.046875	672	0.0900298	0.084835	4.6548	1	-8	DG8\$238
0.120276	0.73024	57	0.570176	476	0.644958	0.636981	2.41372	1	4	DG8\$242
0.120276			0.429825	476	0.355042	0.363039	2.41372	i	ò	DG8S242
	1.36941	57								
0.130702	1.55627	93	0.930108	468	0.895299	0.90107	2,28415	1	0	DG8\$245
0.926667	0.969323	93	0.05914	468	0.0608974		0.008471	1	-4	DG8S245
0.019055	0.25	93	0.010753	468	0.0416667	0.036542	5.4965	1	4	DG8\$245
0.394274	4.62E-11	93	9.90E-14	468	0.0021368	0.001783	0.72572	1	-8	DG8S245
0.326233	0.851099	84	0.529762	682	0.569648	0.565274	0.963792	i	ŏ	DG8S249
0.396524	1.19007	84	0.208333	682	0.181085	0.184073	0.718843	1	-19	DG8S249
				_	10 11					

0.92549	1.06008	84	0.017857	682	0.0168622	0.016971	0.008746	4	. 47	DG8S249
0.278027	0.382948	84						1	-17	
			0.005952	682	0.0153959			1	-21	DG85249
0.901316		84	0.095238	682	0.0982405			1	-2	DG8S249
0.701106	1.35743	84	0.011905	682	0.0087977		0.147323	1 '	6	DG8S249
0.356731	1.39991	84	0.059524	682	0.0432551	0.045039	0.849367	1	2	DG8S249
0.020299	3.87E-12	84	6.64E-14	682	0.0168622	0.015013	5.386	1	-6	DG8S249
0.95049	0.95464	84	0.011905	682	0.0124633	0.012402	0.003855	1	4	DG8S249
0.094561	1.89873	84	0.059524	682	0.0322581			i	-4	DG8S249
0.201691										
	1.05E-11	84	5.43E-14	682	0.005132			1	-1	DG8S249
0.394709	1.31798	96	0.087708	584	0.052226		0.724387	1	-10	DG8S250
0.354176	0.841246	96	0.213542	584	0.244007	0.239708	0.85844	1	-4	DG8S250
0.668478	1.10211	96	0.140625	584	0.129281	0.130882		1	2	DG8S250
0.278992		96	0.223958	584	0.190068			1	4	DG8S250
0.481973	1,23503	98	0.078125	584	0.0842123				-2	DG8S250
								1		
0.075071	0.71287	98	0.192708	584	0.250856			1	0	DG8S250
0.896366	1.10718	86	0.010417	584	0.0094178	0.009559	0.016966	1	8	DG8\$250
0.078427	2.81235	96	0.026042	584	0.0094178	0.011765	3.0972	. 1	-8	DG8S250
0.695254	0.790201	96	0.015625	584	0.0196918	0.019118		1	. 6	DG8S250
0.760007	1.22011	96	0.015625	584	0.0128425			i	-12	DG8S250
0.90986	1.0747	96	0.015825	584	0.0145548			1	-6	DG8S250
0.269464	7.68E-14	96	2.64E-16	584	0.0034247			1	12	DG8S250
0.751011	0.949842	92	0.619565	680	0.631618	0.630181	0.100683	1	0	DG8S257
0.770454	1.11429	92	0.048913	680	0.0441176	0.044689	0.085136	1	-6	DG8S257
0.95664	1.00924	92	0.315217	680	0.313235			i	-2	DG8S257
0.942723	1.05652	92	0.01087	680	0.0102941			i	` 2	DG8S257
		92	0.005435	680						
0.187243	7.42615				0.0007353			1	-9	DG8S257
0.599971	1.11205	83	0.216867	637	0.199372			1	ı 15	DG8S258
0.208266	1.23457	83	0.602409	637	0.55102	0.556944	1.58344	1	18	DG8S258
0.047074	1.80E-15	83	2.29E-17	637	0.0125589	0.011111	3.94276	1	0	DG8S258
0.048887	0.650118	83	0,150602	637	0.214286			1	12	DG8S258
0.483799	3.57E-11	83	5.61E-14	637	0.0015699		0.490289	i	24	DG8S258
0.706939	1.23358	83	0.024096	637	0.0198232		0.141353	1	21	DG8S258
0.483799	3.57E-11	83	5.61E-14	637	0.0015699	0.001389	0.490289	1	33	DG8S258
0.037537	58362.2	83	0.006023	637	1.04E-07	0.000694	4,3259	1	11	DG8\$258
0.759909	0.936597	57	0.692982	549	0.70674	0.705446	0.093391	1	2	DG8\$261
0.759909	1.06769	57	0.307018	549	0.29326	0.294554	0.093391	i	ō	DG8S261
0.969404	1.02076	55	0.036364	561	0.0356506					
							. 0.001471	1	-4	DG8S262
0.683866	0.921811	55	0.509091	561	0.529412			1	0	DG8S262
0.843058	0.931097	55	0.081818	561	0.087344	0.086851	0.039197	1	-10	DG8S262
0.216881	1.32844	55	0.272727	561	0.220143	0.224838	1.52489	1	2	DG8S262
0.603723	0.739227	55	0.027273	561	0.0365419	0.035714	0.269417	1	-2	DG8\$262
0.767637	0.880436	55	0.054546	561	0.0614973	0.060877		1	4	DG8S262
	1.1358	55		581						
0.86772			0.018182		0.0160428	0.016234	0.027741	1	6	DG8S262
0.150491	8.87E-13	55	8.79E-15	561	0.0098039	0.008929	2.06726	1	-14	DG8S262
0.386639	2.81E-11	55	1.01E-13	561	0.0035651	0.003247	0.749485	1	8	DG8S262
0.233927	1.24619	97	0.231959	751	0.195073	0.199292	1.41682	1	15	DG8S265
0.823939	1.03482	97	0.56701	751	0.558589	0.559552	0.049498	1	18	DG8S265
0.031167	2.75E-12	97	3.53E-14	751	0.0126498	0.011203	4.64376	i	o	DG8S265
0.189591	0.772375	97	0.170103	751	0.20972	0.205189	1.7208	1	12	DG8S265
0.473203	1.44523	97	0.025773	751	0.017976	0.018868	0.514486	1	21	DG8S265
0.485625	4.63E-11	97	8.17E-14	751	0.0013316	0.001179	0.486205	1	33	DG8S265
0.925649	1.10659	97	0.005155	751	0.0046605	0.004717	0.008709	1	-6	DG8\$265
0.631697	1.08177	85	0.476471	615	0.456911	0.459286	0.229767	1	-2	DG8S266
0.777865	0.954415	85	0.423529	615	0.434959	0.433571	0.079582	i	õ	DG8S266
0.74591	0.916458	85	0.1	615	0.10813	0.107143	0.105	1	-4	DG8S266
0.484424	1.11477	97	0.417526	741	0.391363	0.394391	0.488888	1	-4	DG8S269
0.111271	0.783298	97	0.520619	741	0.580972	0.573986	2.53608	1	0	DG8S269
0.020752	2.31734	97	0.061856	741	0.0276653	0.031823	5.34751	1	-5	DG8S269
0.012522	0.536447	50	0.19	567	0.304233	0.294976	6.23539	1	-2	DG85271
0.096503	1.44289	50	0.69	567	0.606702	0.613452	2.7624	i	ō	DG8S271
0.673308	1.16162	50	0.1	567	0.0873016		0.177756	i	2	DG8S271
0.027247	11.5511	50	0.02	567	0.0017637	0.003241	4.87506	1	4	DG8S271
0.201722	2.20843	95	0,021053	674	0.0096439	0.011053	1.62986	1	-6	DG8S277
0.036175	1.41743	95	0.347368	674	0.272997	0.282185	4.38885	1	10	DG8S277
0.63596	0.921088	95	0.268421	674	0.284868	0.282835	0.224065	1	0	DG8S277
0.865799	0.951486	95	0.073684	674	0.0771513	0.076723	0.02856	1	-2	DG8S277
0.094726	0.726956	95	0.189474	674	0.243323	0.236671	2.79217			
								1	2	DG8S277
0.241235	0.640208	95	0.036842	674	0.0563798	0.053966	1.37337	1	8	DG8S277
0.956609	0.96694	95	0.01579	674	0.0163205		0.00296	1	4	DG85277
0.577818	1.58274	95	0,010526	674	0.0066766	0.007152	0.309775	1	-4	DG8S277
0.057844	2.71467	95	0.031579	674	0.0118694	0.014304	3.59816	1	6	DG8S277
0.161764	0.304808	95	0.005263	674	0.0170823	0.015605	1.95766	i	12	DG8S277
0.25043	1.15E-12	95	4.27E-15	674	0.0037092					
							1.32091	1	14	DG8S277
0.765951	1.05169	83	0.60241	576	0.590278	0.591806		1	0	DG8S285
0.684656	0.929874	83	0.307229	576	0.322917	0.320941	0.164932	1	2	DG8S285
0.742479	1.10872	83	0.078313	576	0.0711805	0.072079	0.10796	1	1	DG8S285
0.716093	0.768292	83	0.012048	576	0.015625	0.015175		1	-i	DG8S285
0.571041	0.909551	87	0.586207	500	0.609	0.605622	0.320945	i	Ö	DG8S291
0.066487				500	0.044	0.040034				
	0.38118	87	0.017241				3.38769	1	-2	DG8S291
0.9626	1.00913	87	0.235632	500	0.234	0.234242		1	4	DG8S291
0.081896	1.52991	87	0.149425	500		0.109881	3.02687	1	2	DG8S291
0.858781	1.15116	87	0.011494	500	0.01	0.010222	0.031667	1	6	DG8S291
				-		<b>-</b>			-	

0.988027	1.00277	88	0.7125	729	0.711934	0.71199	0.000225	1	2	DG8S292
0.988027	0.997243	80	0.2875	729	0.288066	0.28801	0.000225	1.	0	DG85292
0.831828	1.03938	90	0.25555	727	0.248281		0.045098	1	12	DG8S297
0.551964	0.905275	90	0.327778	727	0.350069	0.347613	0.353811	1	0	DG8S297
0.933583	0.980521	90	0.127778	727	0.129986	0.129743	0.006945	1	4	DG8S297
0.290398	1.27318	90	0.15	727	0.121733	0.124847	1.11778	1	16	DG8\$297
0.223202	0.347581	90	0.005556	727	0.0158184	0.014688	1.48366	1	8	DG85297
0.053097	3.64899				0.0061898					
		60	0.022222	727			3.74085	1	-4	DG85297
0.464751	1.4551	90	0.027778	727	0.0192572	0.020196	0.534428	1	18	DG85297
0.379013	0.552111	90	0.011111	727	0.019945				8	
								1	_	DG8S297
0.974297	0.984668	90	0.027778	727	0.0281981	0.028152	0.001038	1	10	DG8S297
0.593688	0.820513	90	0.044444	727	0.0538451				14	DG85297
								1		
0.62894	7.55E-10	90	5.20E-13	727	0.0006878	0.000812	0.233501	1	2	DG85297
0.146628	6.57E-12	90	4.09E-14	727	0.0061898	0.005508	2.10699	1	-2	DG8S297
0.484916	0.874705	98	0.795918	726	0.816804	0.81432	0.487787	1 1	0	DG8S298
0.503167	1,13979	98	0.193878	726	0.174242	0.176578	0.448251	1	2	DG8S298
0.864815	1.14118	98								
			0.010204	726	0.0089532			1	1	DG8S298
0.945889	1.01429	87	0.816092	602	0.813953	0.814224	0.004608	1	0	DG8S301
0.945889	0.985915	87	0.183908	602	0.186047	0.185776	0.004608	.1	1	DG85301
0.575354	1.0993	86	0.366279	666	.0.344595	0.347074	0.313806	1	28 .	DG8S302
0.345297	0.781118	86	-0.098837	666	0.123123	0.120346	0.890667	1	24	DG8S302
0.771509	0.950489	86								
			0.30814	666	0.319069		0.084333	1	28	DG8S302
0.629411	1.17834	86	0.063954	666	0.0548048	0.055851	0.23286	1	30	DG8S302
0.882719	1.03304	88	0.162791	666	0.158408		0.021763	i	0	DG8S302
0.701115	1.07445	88	0.767045	756	0.753968	0.755332	0.147314	1	2	DG8S303
0.30383	2.47127	88	0.011364	756	0.0046296	0.005332	1.05731	1	-4	DG8\$303
	0.897809									
0.569859		88	0.221591	758	0.240741		0.322918	1	۰ -2	DG8S303
0.638818	9.80E-13	88	6.48E-16	756	0.0006614	0.000592	0.220291	1	0	DG8S303
0.573528	0.843182	51	0.137255	315	0.15873				ŏ	
							0.318815	1		DG8S307
0.323683	1.27067	51	0.754902	315	0.707936	0.714481	0.974008	1	4	DG8S307
0.425627	0.726679	51	0.088628	315	0.0920635		0.634727	1	-4	DG8\$307
0.922209	0.948194	51	0.039216	315	0.0412698	0,040984	0.009536	1	8	DG8\$307
0.171256	0.801526	90	0.577778	689	0.630624	0.624519	1.87192	1	0	DG8S308
0.265085	1.25437	90	0.2	689	0.168183	0.17009	1.242	1	2	DG8\$308
0.369125	1.28411	90	0.111111	689	0.0899855	0.092426	0.806607	1	-14	DG8S308
0.391559	1.31527	90	0.072222	689	0.0558781			1		
							0.734097		-4	DG8S308
0.175154	0.418852	90	0.011111	689	0.0261248	0.02439	1.83827	1	-6	DG8S308
0.340146	0.422097	90	0.005558	689	0.0130824	0.012195	0.909881	1	-2	DG8S308
0.710487	1.23	90	0.022222	689	0.0181422	0.018614	0.137791	1	4	DG8S308
0.859898	0.832488	99	0.005051	660	0.0060606	0.005929	0.031154	1	8	DG8S316
	0.960815									
0.808112		99	0.308081	660	0.316667	0.315547	0.058982	1	10	DG8\$316
0.375005	1.14554	99	0.464646	660	0.431081	0,435441	0.787011	1	0	DG8S316
0.129566	0.664218	99	0.075768	660	0.109848	0.105402	2.2977	1	12	DG8S316
0.867332	1.04077	99	0.116162	660	0.112121	0.112648	0.027905	1	14	DG8\$316
0.319464	1.61875	99	0.030303	660	0.0189394	0.020422	0.99114	1	18	DG8S316
0.16135	2.63E-12	99	1.40E-14	660	0.005303	0.004611	1.96153	1	2	DG8S316
0.720932	1.07685	52	0.423077	608	0.405116	0.406535	0.127601	1	2	DG8S322
0.685172	0.788479	52	0.028846	606	0,0363036	0.035714	0.164362	1	10	DG85322
0.268308	1.25949	52	0.423077	606	0.367987	0.37.234	1.22537	1	0	DG8S322
0.012976	0,365904	52	0.048077	606	0.121287	0.115502	6.17244	1	4	DG8\$322
0.773078	1.11905	52	0.076923	606	0.0893069	0.069909	0.083146	1	6	DG8\$322
0.735723	0.944798	100	0.715	700	0.726429	0.725	0.113921	1	0	DG8S323
0.735723	1.05843	100	0.285	700	0.273571	0:275	0,113921	1	5	DG8S323
0.63791	1.08125	97	0.314433	695	0.297842	0.299874	0.221486	1	0	DG8S324 ,
0.298388	1.58857	97	0.036083	695	0.0230216	0.024621	1.08138	1	10	DG8S324
0.890423	0.974756	97	0.216495	695	0.220863	0.220328				0000001
							0.01898	1	8	DG8S324
0.316602	0.775253	97	0.092784	695	0.116547	0.113636	1.00293	1	6	DG8S324
0.529445	1.15254	97	0.139175	695	0.123022	0.125	0.395457	1	4	DG8S324
0.466028	0.865511	97	0.175258	695		0.194444	0.531379	1	2	DG8S324
0.715962	1.1993	97	0.025773	695	0.0215827	0.022096	0.132395	1	12	DG8S324
0.321194	0.785941	93	0.107527	726	0.13292	0.130037	0.984077	1	-4	DG8\$332
0.877088	0.954194	93	0.069893	726	0.0730028	0.07265	0.02392	1	4	DG8\$332
0.206955	0.790105	93	0.209878	726	0.251377	0.246642	1.5926	1	2	DG8S332
0.530606	0.889209	93	0.215054	726	0.235537	0.233211				
								1	-2	DG8S332
0.042593	1.41167	93	0.327957	726	0.256887	0.264957	4.1115	1	0	DG8\$332
0.217107	1.8282	93	0.032258	726	0.0179083	D.019536	1.52339	1	-6	DG8S332
			0.037634							
0.710218	1.16902	93		726	0.0323691	0.032967	0.13806	1	6	DG8\$332
0.055924	0.696624	87	0.224138	539	0.293135	0.283546	3.65431	1	-5	DG8S333
0.055924	1.43549	87	0.775862	539	0.706865	0.716454				
							3.65431	1	0	DG85333
0.131157	0.790449	99	0.358588	764	0.414287	0.407879	2.27876	1	1	SG08\$100
0.131157	· 1,2651	99	0.641414	764	0.585733	0.592121	2.27876	1	2	SG08S100
			0.386598							
0.016777	0.677563	97		387	0.481912	0.46281	5.71957	1	1	SG08S102
0.016777	1.47588	97	0.613402	387	0.518088	0.53719	5.71957	1	2	SG08S102
0,437006	0.878672	100	0.64	390						
					0.669231	0.663265	0.604132	1	0	SG08S112
0.437008	1.13808	100	0.36	390	0.330769	0.338735	0.604132	1	2	SG08S112
0.377735	0.874364	99	0.520202	700	0.553571	0.549437	0.778059	i	õ	SG08S120
0.377735	1.14369	99	0.479798	700	0.446429	0.450563	0.778059	1	2	SG08S120
0.190291	0.801929	98	0.69898	748	0.743298	0.738152	1.71536	1	0	SG08S138
0.190291	1.24699	88	0.30102	746	0.258702	0.261848	1.71536	1	2	SG08\$138
0.144357	0.800952	99	0.510101	713	0.565217	0.558498	2.13089	1	0	SG08S15
0.144357	1.24851	99	0.489899	713	0.434783	0.441502	2.13089	i	2	SG08S15
0.157518	1,23984	99	0.50505	701	0.451498	0.458125	1.9979	1	0	SG08S26
				,	10 44	<b>-</b> 7				

0.157518		99	0.494949	701	0.648502			1	2	SG08S26
0.133952		100	0.505	397	0.445844			1	2	SG08S27
0.133952		100	0.495	397	0.554156			1	1	SG08S27
0.141165		97	0.561856	397	0.619847			1	1	SG08S32
0.141165		97	0,438144	397	0.380353			1	0	SG08S32
0.145678		99	0.646465	618	0.592233			1	1	SG08S35
0.145676		99	0.353535	618	0.407767			1	2	SG08S35
0.212203		100	0.45	523	0.498088			1	1	SG08S39
0.212203		100	0.55	523	0.501912		1.55634	1	0	SG08S39
0.648445		98	0.403061	689	0.386067			1	0	SG08S42
0.648445		89	0.596939	689	0.613933	0.611817	0.207867	1	2	SG08S42
0.305752		99	0.126263	610	0.101639			1	1	SG08S46
0.305752		99	0.873737	610	0.898361			1	3	SG08546
0.027638		96	0.520833	743	0.804307			1	0	SG0855
0.027638		96	0.479167	743	0,395693			1	. 2	SG0855
0.684961		98	0.454082	685	0.438686	0.440613	0.164606	1	. 2	SG08S50
0.684951		98	0.545918	685	0.561314			1	0	SG08S50
0.006504		96	0.4375	381	0.547244	0.525157	7.40506	1	0	SG08S506
0.006504		98	0.5625	381	0.452758	0.474843	7.40508	1	. 2	SG08S506
0,228808		99	0.318182	396	0.363636	0.354545	1.44826	1	2	SG08S507
0.228808		89	0.681818	398	0.636364	0.645455	1.44826	1	3	SG08\$507
0.094402		98	0.375	392	0.441327		2.79766	1	1	SG08S508
0.094402		98	0.625	392	0.558673	0.571721	2.79766	1	3	SG08S508
0,590396		96	0.807292	371	0.789757	0.793362	0.289727	1	1	SG08S510
0.590396		96	0.192708	371	0.210243	0.206638	0.289727	1	0	SG08S510
0.872061		96	0.401042	362	0.407459	0.406114	0.025934	1	1	SG08S511
0.872061	1.027	96	0.598958	362	0.592541	0.593886	0.025934	1	, з	SG08S511
0.781	1.04689	95	0.410527	388	0.399485	0.401656		1	2	SG08S512
0.781		95	0.589474	388	0.600515	0.598344	0.077293	1	1	SG08S512
0.123314		100	0.41	392	0.470663	0.458333	2.37472	1 .	1	SG08S517
0.123314	1.27952	100	0.59	392	0.529337	0.541667	2.37472	1	3	SG08S517
0.091179	1.31381	100	0.825	397	0.559194		2.85343	1	1	SG08S520
0.091179	0.761143	100	0.375	397	0.440806		2.85343	1	0	SG08S520
0.789675	0.953493	98	0.719388	391	0.7289	0.726994	0.071147	1	2	SG08S6
0.789675	1.04877	98	0.280612	391	0.2711	0.273008	0.071147	1	0	SG08S6
0.128973	0.781948	96	0.442708	380	0,503947	0.491597	2.30483	1	1	SG08S70
0.128973	1.27886	96	0.557292	380	0.496053	0.508403	2.30483	1	3	SG08S70
0.011735	1.47013	99	0.60101	740	0.506081	0.517282	6.35045	1	G	SG08S71
0.011735	0.880212	99	0.39899	740	0.493919	0.482718	6.35045	1	2	SG08S71
0.042417	0.720449	97	0.43299	378	0.51455	0.497895	4.1185	1	3	SG08S73
0.042417	1.38802	97	0.56701	378	0.48545	0.502105	4.1185	1	1	SG08S73
0.085087	0.758593	99	0.409091	394	0.477157	0.463489	2.96496	1	1	SG08S76
0.085087	1.31823	99	0.590909	394	0.522843		2.96496	1	2	SG08S76
0.391224	1.1464	99	0.545455	394	0.511421	0.518256	0.735135	1	0	SG08S90
0.391224	0.872294	99	0.454545	394	0.488579	0.481744	0.735135	1	1	SG08S90
0.168081	0.773965	101	0.777228	705	0.81844	0.813275	1.90016	1	1	SG08S93
0.168061	1.29205	101	0.222772	705	0.18156	0.186725	1.90016	1	2	SG08S93
0.159581	0.775408	91	0.28022	362	0.334254	0.3234	1.97819	1	0	SG08S94
0.169581	1.28964	91	0.71978	362	0.665746	0.8768	1.97819	1	2	SG08S94
0.026638	1.407B6	99	0.49495	586	0.41041	0.422628	4.91413	1	2	SG08S95
0.026638	0.710299	99	0.505051	588	0.58959	0.577372	4.91413	1	3	SG08S95
0.504013	1.10942	100	0.605	613	0.579935	0.58345	0.446476	1	2	SG08S96
0.504013	0.901372	100	0.395	613	0.420085	0.41655	0,446476	1	3	SG08\$96
0.892559	1.0344	100	0.9	713	0.896914	0.897294	0.018243	1	D	SG08S97
0.892559	0.966742	100	0.1	713	0.103086	0.102706	0.018243	1	1	SG08S97
					IG. 11	D8				
					13. 11	しい				

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Annondia	2. Outni	ıt of acc	ociation wi	th hine	olar disord	ar withou	it nanie di	eorder		
Appendix	co. Outpt	11 UI 455	OCIALION WI	ui bipe	Jiai uisoiu		it pasiic us	Solder		
ŀ						Frequency under Null Hypothesis				
}			m			H,				
	•	ŧ.	fed	Ø	rots	19	ပ			
,		čte	ffec	Ş	ži (	er 2	fisti			
	*	Affe	Ē	ខ្ល	ñ	Ē	Sta	-		
40	쭚	Ď.	ZÇ.	T of	آرک	ng.	<u> </u>	fjor Tor		
P-value	Relative Risk	Number of Affecteds	Frequency in Affecteds	Number of Controls	Frequency in Controls	anb	Chi-square Statistic	Information	윤	Marker
									Allele	
0.363622 0.305708	0.836763	60 60	0.616667 0.283333	811 811.	0.65783 0.24106	0.654994 0.243972	0.825344 1.04913	1	4	AC022239-5 AC022239-5
0.977998	1.0095	60	0.083333	811	0.082614	0.082664		1	8	AC022239-5
0.69447 0.316991	1.35763 1.51E-11	60 60	0.016667 6.55E-14	811 811	0.012331 0.004316	0.012629 0.004018	0.154289 1.00132	1	-4 -8	AC022239-5 AC022239-5
0.512664	1.39E-10	60	2.58E-13	811	0.00185	0.001722	0.428626	1	-12	AC022239-5
0.111109 0.723343	1.59559 1.08063	55 55	0.154546 0.3	574 574	0.102787 0.283972	0.107313 0.285374	2.53838 0.125312	1	12 14	AC068974-2 AC068974-2
0.287331	0.805706	55	0.390909	574	0.44338	0.438792	1.13208	1	0	AC068974-2
0,604326 0.335492	1.26692 0.526588	55 55	0.054545 0.018182	574 574	0.043554 0.033972	0.044515 0.032591	0.26852 0.927581	1	- 16 - 6	AC068974-2 AC068974-2
0.432112	0.70124	55	0.045455	574	0.063589	0.062003	0.61714	1	10	AC068974-2
0.225515 0.121956	1.51E-18 4.11E-12	55 55	1.06E-18 4.71E-14	574 574	0.006969 0.011324	0.008359 0.010334	1.46893 2.39201	1	, 20 8	AC068974-2 AC068974-2
0.66874	3.17E-10	55	2.76E-13	574	0.000871	0.000795	0.18308	1	15	AC068974-2
0.037867 0.66874	5,33647 3,17E-10	55 55	0.027273 2.76E-13	574 574	0.005226	0.007154 0.000795	4.311 0.18308	1 1	18 2	AC068974-2 AC068974-2
0.335342	3.50155	55	0.009091	574	0.002613	0.00318	0.928159	1	-2	AC068974-2
0.66874 0.59902	3.17E-10 1.14583	55 58	2.76E-13 0.172414	574 780	0.000871 0.153846	0.000795 0.155131	0.18308 0.276476	1	13 0	AC068974-2 AF131215-1
0.299873	0.805799	58	0.293104	780	0.339744	0.336516	1.07476	1	2	AF131215-1
0.998415 0.372986	1,00041 0.552631	58 58	0,310345 0,017241	780 780	0.310256 0.030769	0.310263 0.029833	3,94E-06 0,793693	1	-2 22	AF131216-1 AF131215-1
0.562829	1.45259	58	0.025862	780	0.017949	0.018496	0.334829	1	-4	AF131215-1
0.699929	0.821431 1.45959	58 58	0.034483 0.077586	780 780	0.041667 0.054487	0.04117 0.056086	0.148546 0.986266	1 1	8 4	AF131215-1 AF131215-1
0.320657 0.294411	2.04424	58	0.025862	780	0.012821	0.013723	1.09934	1	-6	AF131215-1
0.723982	1.18777 4.37E-12	58 58	0.043104 2.80E-15	780 780	0.036539	0.036993	0.124709 0.143493	1	10 6	AF131215-1 AF131215-1
0.704833 0.592101	1.18E-14	58	1.52E-17	780	0.001282	0.000387	0.143488	i	12	AF131215-1
0.697802	0.929521	61	0.516394	780 780	0.534615 0.400641	0.533294 0.402497	0.150769 0.306372	1 1	0 4	AF131215-2 AF131215-2
0.579915 0.690189	1.11131 0.844827	61 61	0.426229 0.04918	780	0.057692	0.402497	0.300372	i	8	AF131215-2
0.676324	1.60332	61	0.008197	780	0.005128 0.001923	0.005351	0.174294 0.452205	1	-4 -8	AF131215-2 AF131215-2
0.501289 0.478237	1.79E-11 0.870426	61 58	3,45E-14 0.396552	780 795	0.430189	0.001784 0.427902	0.452205	1	ō	AF131215-4
0.184845	1.29107	58	0.5	795 705	0.436478	0.440797	1.75824	1	14 12	AF131215-4 AF131215-4
0.634514 0.12748	0.838932 0.285477	58 58	0.068968 0.008621	795 795	0.081132 0.02956	0.080305 0.028136	0.225988 2.32292	1 1	8	AF131215-4
0.407604	1.7323	58	0.025862	795	0.015094	0.015827	0.68578	1	16	AF131215-4 AF131215-4
0.357529 0.401027	6.82E-12 1.09E-10	58 58	2,58E-14 3.45E-13	795 795	0.003774 0.003145	0.003517	0.846552 0.705246	1	18 10	AF131215-4
0.70741	1.51E-13	58	9.51E-17	795	0.000629	0.000586	0.140878	1	4	AF131215-4
0.096302 0.142988	1.76706 0.734164	57 57	0.105263 0.280702	801 801	0.062422 0.347066	0.065268 0.342657	2.76575 2.14551	1	-6 0	AF188029-1 AF188029-1
0.475823	0.83072	57	0.157895	801	0.184145		. 0.508884	1	-8	AF188029-1
0.832496 0.965978	1.05185 1.02281	57 57	0.210526 0.035088	801 801	0.202247 0.034332		0.0447331 0.0018193	1 .	-4 2	AF188029-1 AF188029-1
0.434288	0.590808	57	0.017544	801	0.029338	0.028555	0.611329	1	-12	AF188029-1
0.261327 0.184115	1.43339 1.67473	57 57	0.114035 0.078947	801 801	0.082397 0.048689	0.084499	1.26172 1.76409	1	-2 -10	AF188029-1 AF188029-1
0.710751	3.94E-10	57	2.46E-13	801	0.000624	0.000583	0.137528	1	6	AF188029-1
0.164433 0.621405	3.63E-11 1.10038	57 58	3.20E-13 0.448276	801 804	0.008739 0.424751	0.008159 0.426334	1.93298 0.243897	1	4 0	AF188029-1 AF188029-10
0.127551	0,736929	58	0,336207	804	0.407338	0.402552	2.32207	1	2	AF188029-10
0.778226 0.099089	1.12275 1.68676	58 58	0.060345 0.12069	804 804	0.054105 0.075249	0.054524	0.0793164 2.72014	1	8 4	AF188029-10 AF188029-10
0.901714	0.937651	58	0.034483	804	0.036692	0.036543	0.0152515	1	-2	AF188029-10
0.597494 0.708924	1.96E-10 1.64E-10	58 58	2.45E-13 1.02E-13	804 804	0.001244 0.000622	0.00118	0.278792 0.139354	1 1	-4 6	AF188029-10 AF188029-10
0.579137	1.14863	56	0.196429	795	0.175472	0.176851	0.307631	1	0	AF188029-12
0.985476 0.593852	1.00657 0.900594	56 56	0.080357 0.535714	795 795	0.079874 0.561635	0.079906	0.0003314 0.284369	1	4 -12	AF188029-12 AF188029-12
0.593652	1.0072	56	0.160714	795	0.159748	0.159812	0.0007259	1	-4	AF188029-12
0.543585	2.03734	56 56	0.008929 0.017857	795 795	0.004403 0.018868	0.0047 0.018801	0.368935 0.0058853	1	12 8	AF188029-12 AF188029-12
0.938849 0.835837	0.945455 0.961074	56 60	0.575	809	0.584672	0.584005	0.0429404	1	0	AF188029-7
0.691804	1.07951	60	0.408333	809	0.389988	0.391254	0.15714	1	-4	AF188029-7

. FIG. 11E1

0.04.474	0.704200								_	
0.81474		. 60	0.008333	809	0.010507		0.0549035	1	2	AF188029-7
0.142015	3.24E-12	60	3.03E-14	809	0.009271			1	-2	AF188029-7
0.417341	2.71092	60	0.008333	809	0.00309	0.003452	2 0.657791	1	4	AF188029-7
0.449054	2.42E-10	80	6.00E-13	809	0.002472	0.002302	2 0.573038	1	6	AF188029-7
0.417636	1.20832	40	0.525	449	0.477728	0.481595		1	ō	AF287957-1
0.058137		40	0.2875	449	0.393096				-6	AF287957-1
								1		
0.033923	3.45491	40	0.0625	449	0.018931			1	4	AF287957-1
0.239885	0.464266	40	0.025	449	0.052339			1	-4	AF287957-1
0.149224	2,4349	40	0.05	449	0.021158	0.023517	2.08017	1	2	AF287957-1
0.345145	1.90477	40	0.0375	449	0.020045	0.021472	0.891226	4	-2	AF287957-1
		40	0.0125	449	0.016704		0.0871392	i	-14	AF287957-1
0.368674	1.46881	61	0.057377	867	0.039792			1	-12	D8S1130
0.16812	1.33239	61	0.303279	867	0,246251	0.25	1.89983	1	4	D8S1130
0.091202	0.642198	61	0.131148	867	0,190311	0.186422	2.85304	1	0	D8S1130
0.699451	1.12656	61	0.106557	867	0.095732	0.098444		1	8	D8S1130
0.868403	0.963438	61	0.221312	867	0.227797		0.0274522	i	-8	D8S1130
0.47914										
		61	0.131148	867	0.154556			1	-4	D8S1130
0.941492		61	0.032787	867	0.034025		0.0053868	1	12	D8S1130
0.857508	0.834711	61	0.008197	867	0.009804	0.009698	0.032237	1	` 16	D8S1130
0.522835	1.35E-11	61	2.34E-14	867	0.00173	0.001616	0.408298	.1	2	D8S1130
0.019548	149070	81	0.008196	867	5.54E-08			1	20	D8S1130
0.825877	0.954251	60	0.266667	839	0.275924		0.0483969		ō	D8S1469
								1		
0.704363	1.07443	60	0.483333	839	0.465435			1	4	D8S1469
0.450413		60	0.175	839	0.148987	0.150723	0,569613	1	8	D8S1469
0.270889	2.12565	60	0.025	839	0.011919	0.012792	1.21224	1	12	D8S1469
0.191474	0.538409	60	0.033333	839	0.060191	0.058398	1.70624	1	3	D8S1469
0.211151	0.449292	60	0.016667	839	0.036353			i	-4	D8S1469
0.599038	3.19E-12	60	3.80E-15	839	0.001192				' 7	_
								1		D8S1469
0.864964	1.03499	52	0.480769	845	0.472189		0,0289198	1	0	D8S1695
0.355556	0.793651	52	0.192308	845	0.230769	0.22854	0.85353	1	8	D8S1695
0.23416	1.54304	52	0.096154	845	0.084497	0.066332	1.41541	1	6	D8S1695
0.71935	1.15974	52	0.067308	845	0.05858	0.059086		1	10	D8S1695
0.749006	0.90158	52	0.105769	845	0.115976			i	4	D8S1695
0.834287	1.13769	52	0.028848	845	0.025444		0.0437674	1	12	D8S1695
0.885143	0.900869	52	0.019231	845	0.021302		0.0208667	1	2	D8S1695
0,602845	1.81336	52	0.009615	845	0.005325	0.005574	0.270726	1	14	D8S1695
0.36004	8.49E-11	52	3.53E-13	845	0.004142	0.003902	0.837755	1	16	D8S1695
0.624919	5.76E-12	52	6.83E-15	845·	0.001183	0.001115		1	-4	DBS1695
0.729607	2.79E-14	52	1.65E-17	845	0.000592	0.000557			9	
							0.119473	1		D8S1695
0.80841	1.0553	59	0.254237	643	0,244168		0.0587953	1	34	D8S1721
0.158461	0.409152	59	0.016949	643	0.040436	0.038462	1.98885	1	36	D8S1721
0.461971	0.864658	59	0.372881	643	0.407465	0.404558	0.541116	1	0	D8S1721
0.595841	1.15963	59	0.144068	643	0.12675	0.128205	0.281315	1	2	D8S1721
0,432878	1.27283	59	0.118644	643	0.095645	0.097578	0.615089	i	4	D8S1721
0.512395	0.541025	59	0.008475	643	0.015552	0.014957				
							0.429173	1	8	D8S1721
0.077508	2.0411	59	0.076271	643	0.03888	0.042023	3,1164	1	24	D8S1721
0.691622	0.678413	59	0.008475	643	0.012442	0.012108	0.157335	1	32	D8S1721
0.129906	3.04E-15	59	3.10E-17	643	0.010109	0.009259	2.29362	1	38	D8S1721
0.348332	7.27E-11	59	2.84E-13	643	0.003888	0.003561	0.879525	1	26	D8S1721
0.675145	8.24E-11	59	6.41E-14	643	0.000778	0.000712	0.175643	i	6	D8S1721
0.675145	8.24E-11	59								
			6.41E-14	843	0.000778	0.000712	0.175643	1	-4	D8S1721
0.467735	8.46E-11	59	1.51E-13	843	0.002333	0.002137	0.527321	1	30	D8S1721
0.675145	8.24E-11	59	6.41E-14	643	0.000778	0.000712	0.175643	1	-2	D8S1721
0.06143	0.704028	62	0.532258	866	0.617783	0.612069	3.49835	1	0	D8S1759
0.634574	1.15865	62	0.104839	866	0.091801	0.092672	0.225909	1	2	D8S1759
0.683338	0.750997	62	0.016129	868	0.021363	0.021013	0.166393	i	6	D8S1769
0,225795	1,52383	62	0.08871	866	0.060046	0.081961			4	
							1.46715	1		D8S1759
0.149853	1.46479	62	0.16129	868	0.116051	0.119073	2,07579	1	12	D8S1759
0.852221	1.07889	62	0.056452	866	0.05254		0.0347024	1	10	D8S1759
0.922244	1.07566	62	0.016129	866	0.015012	0.015086	0.0095271	1	14	D8S1759
0.89257	0.871956	62	0.008065	868	0.009238	0.009159	0.0182392	1	16	D8\$1759
0.880877	1.11934	62	0,016129	866	0.014434		0.0224573	1	8	D8S1759
0.519328	3.81E-10	62	6.62E-13	868	0.001732		0.415229	1	-2	D8S1759
0.456297	1.18012	43	0.5	702	0.458689	0.481074	0.554962	1	0	D8S1825
0.24022	0.568227	43	0.046512	702	0.07906	0.077181	1.3793	1	8	D8S1825
0.960318	1.01672	43	0.127907	702	0.126068	0.126174	0.0024755	1	10	D8S1825
0.316577	0.741137	43	0.151163	702	0.193732	0.191275	1.00304	1	6	D8S1825
0.222186	1.48877	43	0.151163	702	0.106838	0.109396	1.48019	1	2	D8S1825
0.361023	2.00E-14	43	1.00E-16	702	0.004986	0.004698	0.834332		-2	
					0.004980			1		D8S1825
0.647625	1.42961	43	0.023256	702			0.208908	1	4	D8S1825
0.440285	7.53E-12	43	2.69E-14	702	0.003561	0.003356	0.595538	. 1	-1	D8S1825
0.195893	8.13E-12	43	8.19E-14	702	0.009972		1.67273	1	12	D8S1825
0.730184	1.47E-10	43	1.05E-13	702	0.000712	0.000671	0.118943	1	14	D8S1825
0,753881	1.07363	44	0.375	841	0.358502		0.0982984	i	4	D8S265
0,481601										
	1.22653	44	0.181818	841	0.153389	0.154802	0.495235	1	0	D8S265
0.078936	9.89E-13	44	1.80E-14	841	0.017838		3.08667	1	6	D8S265
0.395095	0.684796	44	0.056818	841	0.080856	0.079661	0.723203	1	-5	D8S265
0.897034	0.96109 ·	44	0.147727	841	0.152794	0.152542	0.0167466	1	2	D8S265
0.317205	0.843408	44	0.056818	841	0.085612		1.00044	i	18	D8S265
0.172352	1.82619	44	0.079546	841		0.046893	1.86238	i	12	D8S265
0.666891						0.040883				
	1.17212	44	0.102273	841			0,18526	1	14	D8S265
0.749417	4.63E-12	44	2,76E-15	841		0.000565	0.102022	1	-3	D8S265
					- 11					

0.186827	1.32E-11	44	1.35E-13	841	0.010107	0.009605	1.74246	1	16	D8S265
0,474836	1.14E-12	44	3.40E-15	841	0.002973	0.002825	0.5107	1	8	D8S265
0.579995	3.94E-11	44	7.04E-14	841	0.001784	0.001695	0.308242	1	10	D8S265
0.749417	4.63E-12	44	2.76E-15	841	0.000595	0.000565	0.102022	1	20	D8S265
0.749417	4.63E-12	44	2.76E-15	841	0.000595	0.000565	0.102022	1	1	D8S265
0.749417	4.63E-12	44	2.76E-15	841	0.000595	0.000565	0.102022	1	-4	D8S265
0.993422	0.996403	33	0.090909	762	0.091207	0.091195	6.80E-05	1	0	D8S351
0.305742	1.35317	33	0.257576	762	0.204068		1.04898	i	18	D8S351
0.430602	1.26016	33	0.257576	762	0.215879	0.21761	0.821199	i	2	D8S351
0.918456	0.964886	33	0.151515	762	0.156168		0.0104814	i	6	D8S351
			1.26E-13	762	0.011811	0.011321	1.53513	i	10	D8S351
0.215344	1.06E-11	33				0.07673		i	8	D8S351
0.603264	0.768725	33	0.060606	762	0.077428		0.270101			D8\$351
0.173787	0.31956	33	0.015152	762	0.045932	0.044854	1.84997	1 .	20	
0.400003	0.624339	33	0.045455	762	0.070868	0.089811	0.708316	1	4	D8S351
0.634597	1.22072	33	0.106061	762,	0.088583	0.089308	0.225878	1	16	D8S351
0.092623	1.50E-11	33	3.32E-13	762	0.021654	0.020755	2.82819	1	14	D8S351
0.274837	2.84E-12	33	2.63E-14	762	0.009186	0.008805	1.19245	1 ,	12	D8S351
0.33331	3.33405	33	0.015152	782	0.004593	0.005031	0,935995	1	-2	D8S351
0.56006	5.87E-14	33	1.54E-16	762	0.002625	0.002516	0.339601	` <b>1</b>	22	D8S351
0.448788	0.854838	58	0.301724	825	0.335758	0.333522	0.573711	1	-6	D8S503
0.321893	1.2189	58	0.37931	825	0.333939	0.33692	0.981241	1	0	D8S503
0.980215	1.00633	58	0.172414	825	0.171515	0.171574	0.000615	1	-2	D8S503
0.035929	0.290408	58	0.017241	825	0.05697	0.05436	4.40048	1	-4	D8S503
0.382595	1.49718	58	0.051724	825	0.035152	0.03624	0.762346	1	2	D8S503
		58	0.077586	825	0.055758	0.057191	0.873115	i	-8	D8S503
0.350094	1.42442			825	0.001818	0.001699	0.40801	i	, -10	D8S503
0.522981	2.30E-11	58	4.19E-14		0.005455	0.001099	1.22619	i	4	D8S603
0.26815	1.24E-11	58	6.78E-14	825	0.003636			i	-12	D8S503
0.366136	1.20E-13	58	4.38E-16	825		0.003398	0.816738			D8S516
0.403745	0.855197	62 .	0.548387	876	0.588758	0.584222	0.697146	1	2	
0.385815	1.21411	62	0.233871	876	0.200913	0.203092	0.752091	1	4	D8S516
0.871698	0.948984	62	0.08871	876	0.093037		0.0260839	1	D	D8\$516
0.907354	1.03746	62	0.096774	876	0.093607		0.0135438	1	-2	D8S516
0.781509	0.74155	62	0.008065	876	0,010845	0.010861	0.092112	1	-4	D8S516
0.075196	5.94E-18	62	7.90E-20	876	0.013128	0.01226	3.16579	1	6	D8S516
0.003648	14.4546	62	0.024194	878	0,001712	0.003198	8.45133	1	8	D8\$516
0.371238	1.19618	57	0.403509	663	0.361237	0,364583	0.799518	1	6	D8S520
0.402548	0.813844	57	0.184211	663	0.217195	0,214583	0.7007	1	8	D8S520
0.027895	4.30E-13	57	9.62E-15	663	0.02187	0.020139	4.83455	1	10	D8S520
		57	0.122807	663	0,107843	0.109028	0.234292	1	0	D8S520
0.62836	1.15818	57	0.052632	663	0.065611	0.064583	0.309715	i	-10	D8S520
0.577855	0.791186			663	0.10181	0.10625	3.1115	i	4 .	
0.077741	1.65417	57	0.157895			0.00625	1.48943	i	-12	D8S520
0.222305	1.57E-11	57	1.07E-13	. 683	0.006787					D8S520
0.353393		57	0.078947	663	0.105581	0.103472	0.861236	1	2	D8\$520
0.142149	5.08E-11	57	5.03E-13	663	0.009804	0.009028	2.15454	1	-2	
0.585574	2.82E-12	57	4.26E-15	663	0.001508	0.001389	0.330144	1	12	D8S520
0.684583	2.16E-11	57	1.63E-14	663	0,000754	0.000694	0.165012	1	9	D8S520
0.267119	0.808015	58	0.474138	840	0.527381	0.523942	1.23148	1	0	D8S542
0.893055	0.972736	58	0.318965	840	0.325	0.32461	0.018074	1	2	D8S542
0.084254	1.53528	58	0.208897	840	0.145238	0.14922	2.98086	1	4	D8S542
0.526596	5.83E-11	58	1.04E-13	840	0.001786	0.00167	0,400955	1	-2	D8S542
0.714754	5,94E-12	58	3.54E-15	840	0.000595	0.000557	0.133575	1	-12	D8S542
0.93031B	1.03058	55	0.090909	814	0.088452	0.088608	0.0076471	1	-8	D8S550
0.993832	1.00238	55	0.118182	814	0.117936	0.117952	5.98E-05	1	12	D8S550
0.707978	0.920186	56	0.263636	814	0.280098	0.279056	0.140305	1	14	D8S550
0.305257	0.733118	55	0.109091	814	0.14312		1.05109	i	-2	D8S550
	2.41396	55	0.054545	814	0.023342	0.025317	3.14209	ì	8	D8S550
0.076296	1.74582	55 55	0.063636	814	0.037469	0.039125	1.60716	i	18	D8S550
0.204892		55	0.063636	814	0.070639		0.0795925	i	-6	D8S550
0.77785	0.894133			814	0.086609		0.755287	i	16	D8S550
0.384808	0.716726	55	0.063636			0.082716	0.672983	í	. 0	D8S550
0.412013	1,36158	55	0.081818	814	0,00.,-0	0.082710	0.0729038	i	10	D8S550
0.719432	1.14932	55	0.072727	814						D8S650
0.277346	3.77E-11	55	2.09E-13	814	0.005528		1.18005	1	2	D8S550
0.900611	1.09808	55	0.018182	814	0.016585		0.0155975	1	20	
0.608964	2.02E-13	55	2.48E-16	814	0.001229		0.261687	1	8	D8S550
0.469274	1.17E-12	55	2.89E-15	814	0.002457		0,523685	1	22	D8S550
0.608964	2.02E-13	55	2.48E-16	814	0.001229		0.281687	1	4	D8S550
0.131551	0.579512	16	0.46875	391	0.603581	0.59828	2.2741	1	1	DGOOAAHBG
0.131551	1,72559	16	0.53125	391	0.396419	0.40172	2,2741	1	2	DG00AAHBG
0.285177	0.773002	41	0.646341	725	0.702759	0.699739	1.14225	1	2	DG00AAHBH
0.285177	1.29366	41	0.353659	725	0.297241	0.300261	1.14225	1	1	DGOOAAHBH
0.382271	0.808631	38	0.631579	811	0.680025		0.763387	1	3	DG00AAHBI
0.382271	1.23972	38	0.368421	811		0.322144	0.763387	i	1	DG00AAHBI
0.332271	1.3071	52	0.240385	531	0,194915		1.17681	i	Ò	DG8S117
0.278007	0.765052	52 52	0.759615	531		0.801029	1.17681	1	. ě	DG8S117
			0.91129	826	0.912228		0.0012612	1	ŏ	DG8S118
0.971671	0.988415	62		826	0.087772		0.0012612	1	5	DG8S118
0.971671	1.01172	62	0.08871	604	0.442881	0.439024	0.927712	1	0	DG8\$127
0.335458	0.818662	52	0.394231			0.438024			6	DG8S127
0.888013	0.956222	52	0.115385	604	0.120033		0.01983	1		
0.258737	1.26033	52	0.490384	604	0.432947	0.4375	1.2755	1	1	DG8S127
0.362993	1.54E-12	52	6.38E-15	604		0.003811	0.827511	1	2	DG8S127
0.847624	1,04508	56	0.758929	648	0.750774		0.0369218	1	0	DG8S128
0.847624	0.956886	56	0.241071	646	0.249226	U.2485/5	0.0369218	1	4	DG8S128

0.893296	0.973154	56	0.366072	772	0.372409	0.371981	0.0179922	· 1	4	DG8S130
0.256885	0.800914	56	0.482143	772	0.537565	0.533816	1.28547	1	0	DG8S130
0.169927	1.8395	56	0.0625	772	0.034974		1.88359	1	-16	DG8S130
0.540972	1.63315	56	0.017857	772	0.01101	0.011473	0.373742	i	-4	DG8S130
		56	0.0825	772	0.036917	0.038647		i	8	DG8S130
0.208801	1.73918						1.57972			
0.358847	7.02E-11	56	2.74E-13	772	0.003886		0.841924	1	-12	DG8S130
0.173265	6,94598	58	0.008929	772	0.001295			1	12	DG8S130
0.516655	1.44E-10	56	2.80E-13	772	0.001943	0.D01812	0.420566	1	-8	DG8S130
0.94086	0.980424	60	0.85	739	0.852503	0.852315	0.0055041	1	0	DG8S134
0.877445	0.959107	60	0.141667	739	0.14682			1	4	DG8S134
	12.4118	60	0.008333	739	0.000677		2.5681	i	. 2	DG8S134
0.109039									õ	DG8S136
1	1	57	0.657895	778	0.657895		. 0	1		
0.648818	1.1734	57	0.087719	779	0.075738	0.076555	0.207393	1	-6	DG8\$138
0.605035	1.24131	57	0.081404	779	0.050064	0.050837	0.267469	1	2	DG8S136
0.359938	1,41477	57	0.078947	779	0.057125	0.058612	0.838111	1	-4	DG8S136
0.113172	0.4357	57	0.026316	779 -	0.058408	0,05622		1	4	DG8S136
	0.373997	57	0.017544	779	0.045571	0,04366	2.52259	1	Ġ	DG8S136
0.112226								1 .	-2	DG8S136
0.812303	0.868891	57	0.026316	779	0.030167					
0.243919	1.98701	57	0.035088	779	0.017972	0.019139	1.3578	.1	8	DGBS13B
0.400351	7.17E-13	57	2.31E-15	779	0.003209	0.00299	0.707272	1	-8	DG8S136
0.594973	6.71E-12	57	8.62E-15	779	0.001284	0.001196	0.282645	1	10	DG8S136
0.707013	8.09E-11	57	5.20E-14	779	0.000842	0.000598	0.141279	1	-10	DG8S136
0.253998	4.58704	57	0.008772	779	0.001926	0,002392		1	-14	DG8S138
0.604575	0.779604	11	0.272727	234	0.324786	0,322449	0.268151	i	-2	DG8S137
										DG8S137
0.33397	1.95338	11	0.136363	234	0.074786	0.077551	0.933443	1	2	
0.90172		11	0.045455	234	0.051282		0.0152496	1	10	DG8S137
0.398795	0.458876	11	0.045455	234	0.094017			1	٠ 4	DG8S137
0.291975	1.90022	11	0.181818	234	0.104701	0.108163	1,11049	1	6	DG8S137
0.960863	0.983635	11	0.090909	234	0.094017	0.093878	0.0024079	1	-4	DG8S137
0.831528	0.768256	11	0.181819	234	0.224359	0,222449	0.229998	1	0	DG8S137
				234	0.017094	0.018367	0.680111	i	12	DG8S137
0.409548	2,73812	11	0.045455							
0.667845	3,71E-10	11	1.59E-12	234	0.004274	0.004082		1	18	DG8S137
0.761687	2.17E-10	11	4.64E-13	234	0.002137	0.002041		1	14	DG8S137
0.543528	7.21E-11	11	6.21E-13	234	0.008547	0.008163	0.36904	1	8	DG8\$137
0.368532	0.7517	55	0.1	761	0.128778	0.126838	0.815387	1	-1	DG8S138
0.356408	1,33812	55	0.9	761	0.870565	0.872549	0.850512	1	0	DG8\$138
0.708673	1.75E-12	55	1.15E-15	761	0.000657	0.000613	0.139606	1	1	DG8S138
				585	0.400855		0.0200685	i	ó	DG8S147
0.887346	1.03081	49	0.408163							
0.800469	0.973571	49	0.591837	585	0.598291		0.0156423	1	2	DG8S147
0.688292	4.37E-11	49	3.73E-14	585	0.000855	0.000789	0.16094	1	1	DG8S147
0.636815	0.830118	59	0.059322	694	0.070605	0.069721	0.223198	1	-4	DG8S148
0.545287	1.13556	59	0.305085	694	0.278818	0.280876	0.365829	1	2	DG8S148
0.245471	0.761008	59	0.194915	694	0.241354	0.237716	1,34889	1	-2	DG8S148
0.633681	1.09821	59	0.398305	694	0.376081	0.377822	0.227103	i	ō	DG85148
								i	4	DG8S148
0.89712	1.07176	59	0.033898	694	0.0317		0.0167185			
0.023917	109517	59	0.008474	694	7.80E-08	0.000864	5,10087	1	6	DG8S148
0.567669	1.72E-10	59	2.48E-13	694	0.001441	0.001328	0.326599	1	-17	DG8S148
0.263405	1.34158	31	0.5	473	0.427061	0.431548	1.25077	1	-2	DG8S153
0.857201	0.928867	31	0.112903	473	0.120507	0.12004	0.0323776	1	0	DG8S153
0.165944	1,45E-15	31	2.34E-17	473	0.015856		1.91921	1	-6	DG8S153
0.99324	0,994838	31	0.048387	473	0.048626	0.048611	7.18E-05	1	2	DG8S153
	1.01975			473	0.12685	0,126984		i	6	DG8S153
0.960209		31	0.129032							
0.072949	4.56E-12	31	1.24E-13	473	0.026427	0.024802	3.21539	1	14	DG8S153
0.332639	0,666577	31	0.096774	473	0.138478	0.135913	0.938597	1	8	DG8S153
0.743331	0.823731	31	0.048387	473	0.05814	0.05754	0.10722	1	10	DG8S153
0.410177	1.7307	31	0.048387	473	0.028541	0.029762	0.678286	1	4	DG8S153
0.425003	1.20E-11	31	6.38E-14	473	0.005285	0.00498	0.63844	1	12	DG8S153
0.296624	3.86065	31	0.016129	473	0.004228	0.00496	1.08931	1	-4	DG8S153
0.735263	1.10639	27	0.333334	453	0.311258	0.3125		1	4	DG8S155
					0.099338	0.101042	0.479305	•		DG85155
0.488737	1.35035	27	0.12963	453				1	8	
0.975996	0.985593	27	0.092592	453	0.093819		0.0009053	1	2	DG8S155
0.304898	0.700246	27	0.185185	453	0.245033	0,241667	1.05352	1	6	DG8S155
0.742857	0.724364	27	0.018519	453	0.025386	0.025	0.107632	1	14	DG8S155
0.823623	1,10598	27	0.111111	453	0.101545	0.102083	0.0496789	1	0	DG8S155
0.684405	0.787116	27	0.055556	453	0.069538	0.08875	0.16521	1	10	DG8S155
0.799212	0,832691	27	0.037037	453	0.04415		0.0847029	1	12	DG8S155
		27		453	0.001104	0.002083	3.11467	<u>i</u>	-16	DG8S155
0.07759	17.0753		0.018518			0.002005				DG8S155
0.555291	3.06E-11	27	1.02E-13	453	0.003311		0.347924	1	-10	
0.73358	5.32E-10	27	5.87E-13	453	0.001104	0,001042	0.11585	1	-2	DG8S155
0.565291	3.06E-11	27	1.02E-13	453	0.003311	0.003125	0.347924	1	18	DG8S165
0.07759	17.0753	27	0.018518	453	0.001104	0.002083	3.11467	1	-12	DG8S155
0.180234	1.29828	58	0.446429	777	0.383526	0.387755	1.7158	1	6	DG8S158
0.161363	0.75991	58	0.5	777	0.568211	0.563625	1.9614	1	ō	DG85156
0.101303			0.035714	777	0.031532		0.0572898	i	-6	DG8S156
	1.13757	58								
0.249986	4.65763	58	0.008929	777	0.001931	0.002401	1.32338	1	3	DG8S156
0.58993	0.599689	58	0.008929	777	0.014801	0.014406	0.290454	1	9	DG8S156
0.271315	0.652005	51	0.811765	556	0.940648	0.938221	1.21009	1	0	DG8S159
0.373416	1.47229	51	0.068627	556	0.047682	0.049423	0.792264	1	-2	DG8S159
0.519798	1.69077	51	0.019608	556	0.011691	0.012356	0.414294	1	2	DG8S159
0.833341	0.959682	58	0.413793	735	0,42381		0.0442757	1	ō	DG8S181
0.833341	1.04201	58	0.586207	735	0.57619		0.0442757	i	2	DG8S161
			0.560207	815	0.469325		0.0144454	1	Ó	DG85163
0.904333	1.02303	60	0.470	3.5		0.4087 (4		•	•	5-50,00

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0.896949 1.27194 48 00 0.526 315 0.550675 0.350024 0.0144454 1 3 0.5685183 0.35006 0.3											
0.475162	0.904333	0.977488	60		815	0.530675	0.530286	0.0144454	1		DG8S163
0.88544	0.368949	1.21796	48	0.375	759	0.33004	0.332714	0.807201	1	0	DG8S170
0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -919 0.0658170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.045829 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.045829 0.245E44 1 -4 0.0685177 0.620301 0.85E-13 48 1.30E-15 75 0.280702 643 0.285E47 0.245E27 0.245E27 0.245E27 0.245E27 0.25E27 0	0.473152	0.8554	48	0.614583	759	0.650856	0.648699	0.514605	1	2	DG8S170
0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -919 0.0658170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.001239 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.045829 0.245E44 1 -4 0.0685170 0.620301 0.85E-13 48 1.30E-15 759 0.001318 0.045829 0.245E44 1 -4 0.0685177 0.620301 0.85E-13 48 1.30E-15 75 0.280702 643 0.285E47 0.245E27 0.245E27 0.245E27 0.245E27 0.25E27 0		0.684212	48	0.010417					1		DG8S170
0.620301 8.65E-13 48 1.30E-15 759 0.001318 0.001239 0.245444 1 - 4 D068517 0.01240 0.725131 67 0.359849 643 0.43549 0.426226 2.46462 1 14 0.058517 0.012414 0.725131 67 0.359849 643 0.43549 0.426226 2.46462 1 14 0.058517 0.012414 0.725131 67 0.059712 643 0.007770 0.01757 0.012503 1 1 0 0.058517 0.059717 0.01757 0.012503 1 1 0 0.058517 0.059717 0.01757 0.012503 1 1 0 0.058517 0.059717 0.01757 0.012503 1 1 0 0.058517 0.059717 0.01757 0.012503 1 1 0 0.058517 0.059717 0.01757 0.012503 1 1 0 0.058517 0.059717 0.01757 0.012503 1 1 0 0.058517 0.059717 0.012503 1 1 0 0.058517 0.059717 0.012503 1 1 0 0.058517 0.059717 0.012503 1 1 0 0.058517 0.059717 0.012503 1 1 0 0.058517 0.059712 0.059717 0.012503 1 1 0 0.058517 0.059712 0.059717											
0.14214 0.72131 57 0.38949 48 1.30E-15 789 0.001318 0.001239 0.245444 1 -2 DG8S177 0.90833 1.1202 57 0.008712 643 0.04570 0.007877 0.0128800 1 20 DG8S177 0.008831 1.1202 57 0.008712 643 0.02770 0.007867 0.0128800 1 20 DG8S177 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008817 0.008818 0.			_								
0.141414 0.728131 67 0.359649 643 0.455459 0.429266 2.46492 1 14 0.685177 0.3690539 1.1292 57 0.0687176 0.1292 57 0.268702 643 0.237967 0.241429 1.01303 1 12 0.085177 0.268177 0.17910 67 7 0.268177 0.27910 67 7 0.27946 643 0.237967 0.241429 1.01303 1 12 0.085177 0.27910 67 7 0.27946 643 0.237967 0.241429 1.01303 1 12 0.085177 0.25910 67 7 0.27946 643 0.237967 0.241429 1.01303 1 12 0.085177 0.25910 67 7 0.27946 643 0.25926 0.035571 0.25748 1 1 0 0.085177 0.25926 1 0.25926 0.25926 0.25927 0.27143 0.27427 1 10 0.268177 0.35926 1 0.25926 0.25926 0.25927 0.27143 0.27427 1 10 0.268177 0.35926 1 0.26907 0.25926 0.25927 0.27143 0.27427 1 10 0.268177 0.268567 0.26860 7 0.46906 52 0.451623 0.22 0.45227 0.252723 0.227448 0.152727 1 7 0.268517 0.268567 0.26860 7 0.44006 52 0.451623 0.22 0.45223 0.22 0.252723 0.252723 0.152727 1 7 0.2685179 0.268567 0.25262 0.252											
0.909689 1.1292 57 0.008772 643 0.007776 0.007887 0.0128800 1 20 0.068177 0.5814779 0.817801 57 0.0280702 643 0.237804 0.043 0.237804 0.043 0.008587 1 0.32743 1 18 DG85177 0.558952 0.0262-10 67 3.156-13 643 0.007898 0.008587 1 0.32743 1 18 DG85177 0.453963 1.32747 67 0.007894 643 0.008587 0.001429 0.33898 1 1 0 0.0685177 0.453963 1.32747 67 0.007894 643 0.008587 0.00429 0.33898 1 1 0 0.0685177 0.453963 1.32747 67 0.007894 643 0.009587 0.001429 0.33898 1 1 0 0.0685177 0.453963 1.32747 67 0.00858 0.00858 0.0085											
0.531479											
D.SESTIP	0.909639	1.1292	57	0.008772	643	0.007776	0.007857	0.0128809		20	DG8S177
0.589812 0.2526-10 67 3.18E-13 94 30 0.001859 0.001429 0.359898 1 2 0 D085177 0.453965 1.32747 67 0.078847 643 0.001859 0.001429 0.359898 1 2 0 D085177 0.453965 1.32747 67 0.078847 643 0.018595 0.001429 0.359898 1 0 0 D085177 0.058285 1.3278 7 0.140335 643 0.125972 0.0271474 0.190395 1 1 0 D085177 0.058285 1.3278 67 0.028517 0.028518 0.028143 0.559899 1 0 0 D085177 0.058285 1.05278 67 0.028576 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.0285776 0.02857779 0.0285776 0.0285777 0.0285776 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0.0285777 0	0.314179	1.2498	57	0.280702	643	0.237947	0.241429	1,01303	1	12	DG8S177
0.559822 20.26:-10 67 3.15E-13 843 0.006853 0.001429 0.359898 1 2 D088177 0.68283 1.13276 57 0.076947 643 0.050678 0.026143 0.5606899 1 0 D088177 0.68283 1.13276 57 0.140361 643 0.125972 0.127143 0.160005 1 16 D088177 0.68283 1.13276 57 0.140361 643 0.025972 0.127143 0.160005 1 16 D088177 0.68283 1.13276 57 0.140361 62 0.258737 0.25743 0.160005 1 16 D088177 0.682857 1.09408 05 0.0548977 622 0.25723 0.827748 0.182727 1 0 D088177 0.682857 1.09408 05 0.0548977 622 0.25723 0.827748 0.182727 1 0 D088177 0.682857 0.28868 0 0.2									1	18	DG8S177
0.453985 1,32747 57 0.078947 943 0.056863 0.022143 0.590895 1 0 0 DG85177 0.367023 1.48738 57 0.052832 043 0.022743 0.748274 1 10 DG85177 0.367023 1.48738 57 0.052832 043 0.02577 0.037143 0.748274 1 10 DG85177 0.960857 0.960857 0.960857 0.960857 0.960857 0.94005 52 0.458023 022 0.425723 0.02248 0.022427 1 7 DG85179 0.960857 0.960857 0.94005 52 0.458023 022 0.427427 0.472552 0.922727 1 7 DG85179 0.960857 0.960857 0.94005 52 0.458023 022 0.427427 0.472552 0.922727 1 7 DG85179 0.960857 0											
0.890239 1.13278 67											
0.88057   0.080687   0											
0.680667   1.094006   52	0.682838	1.13278	57	0.140351	643	0.125972	0.127143	0.190095	1	16	DG8S177
0.680667   1.094006   52	0.387023	1.49758	57	0.052632	643	0,03577	0.037143	0.748274	1	10	DG8S177
0.80867 0.914005 62 0.45623 622 0.47427 0.472582 0.192727 1 7 DGSS178 0.28698 0.28698 0.28698 1 12 DGSS181 0.56698 57 0.238842 625 0.2868 0.28698 0.28698 1 12 DGSS181 0.565288 1.19528 57 0.105283 625 0.2868 0.28698 0.287378 1 0 DGSS181 0.565288 1.19528 57 0.105283 625 0.0885 0.088909 0.297783 1 0 DGSS181 0.10528 0.10528 0.10528 0.10528 0.10528 0.28698 0.297783 1 0 DGSS181 0.10528				0.548077					1	0	DG8S179
0.28888         0.784423         67         0.228947         625         0.2348         0.289785         1.13515         1         10         DG8S181           0.09900         0.581989         57         0.070176         625         0.2484         0.284681         0.27008         1         4         DG8S181           0.170625         1.139538         57         0.16283         25         0.0889         0.09009         0.287763         1         DG8S181           0.170625         1.43463         67         0.148421         625         0.1489         0.080909         0.21144         0.11440         0.11445         1.187145         1         BC985181           0.877448         0.911411         67         0.028318         625         0.0144         0.018252         0.01441         0.11447         1.18151         1         10         DG8S181           0.874749         3.2809         7         0.087712         625         0.0044         0.04832         0.00514         1.1411         10         DG8S181           0.87459         3.3739         57         0.008772         625         0.0044         0.003898         0.082042         1         2         DG8S182           0.184											
0.5116 0.881692 67 0.239842 625 0.2894 0.282463 0.430386 1 12 DG8S181 0.885288 1.1923 67 0.70176 625 0.1148 0.11437 2.70706 1 4 DG8S181 0.885288 1.1923 67 0.105283 625 0.0886 0.040028 0.287763 1 0 DG8S181 0.15028 67 0.18421 625 0.136 0.140028 1.07748 1.07748 0.17141 7 0 0.085181 0.28949 1.28240 1.1411 67 0.028318 0.28529 0.28529 0.028521 0.028518 0.28529 0.0277791 1 18 DG8S181 0.248949 1.52240 7 0.08719 625 0.00858 0.028529 0.0277791 1 18 DG8S181 0.248949 1.52240 7 0.08719 625 0.0682 0.028529 0.028520 0.002871 0.002771 0.08719 625 0.0682 0.028520 0.008580 0.002871 0.002771 0.08719 625 0.0682 0.008580 0.028520 0.008580 0.00854 1.32415 1 14 DG8S181 0.774540 1.0529 0.008521 0.008520 0.008580 0.008520 0.00858											
0.099905   0.561699   57											
0.585288 1.19538 57	0.5118	0.861652									
0.1796225 1.43463 57 0.14421 626 0.138 0.140028 1.87745 1 8 DG8S181 0.877448 0.911411 67 0.028316 625 0.0144 0.016122 2.16142 1 18 DG8S181 0.877448 0.911411 67 0.028316 625 0.0283 0.028592 0.0227701 1 18 DG8S181 0.02771 5.56247 57 0.097719 625 0.0692 0.061584 1.32415 1 14 DG8S181 0.02771 5.56247 57 0.017844 625 0.0002 0.001684 1.32415 1 4 DG8S181 0.28846 4.85E-12 57 2.82E-14 626 0.0002 0.001680 0.0280192 1 2 DG8S181 0.28846 4.85E-12 57 2.82E-14 626 0.0008 0.001692 1 2.22616 1 6 DG8S181 0.28846 4.85E-12 57 2.82E-14 626 0.0008 0.005192 1.22516 1 6 DG8S181 0.154481 0.004522 44 0.875 818 0.022535 0.016123 2.022743 1 0 DG8S182 0.154481 0.15496 44 0.875 818 0.022535 0.016123 2.022743 1 0 DG8S182 0.164481 1.05495 44 0.875 818 0.022535 0.016123 2.022743 1 0 DG8S182 0.164584 0.974583 47 0.284043 641 0.23869 0.283572 0.0104578 1 0 DG8S182 0.164584 0.974583 47 0.284043 641 0.23869 0.283572 0.0104578 1 0 DG8S183 0.008589 2.08592 2.0	0.099905	0.561959	57	0.070176	625	0.1184	0.11437	2.70706	1	4	DG8S181
0.1710225 1.43463 57 0.13421 625 0.136 0.140022 1.57745 1 8 DG8S181 0.87744 0.911411 57 0.025816 625 0.0144 0.016129 1.77457 1 18 DG8S181 0.87744 0.911411 57 0.025816 625 0.02580 0.025802 0.0227791 1 18 DG8S181 0.025771 5.56247 57 0.017544 625 0.0062 0.061584 1.32415 1 14 DG8S181 0.032771 5.56247 57 0.017544 625 0.0062 0.061584 1.32415 1 14 DG8S181 0.25848 1 3.3415 1 14 DG8S181 0.25848 1 3.3415 1 14 DG8S181 0.25848 1 3.2415 1 14 DG8S182 0.25848 1 1.22414 1 1.2586 1 1 1 1 DG8S181 0.25848 1 3.2415 1 1 1 DG8S181 0.25848 1 3.2415 1 1 1 DG8S181 0.25848 1 3.2415 1 1 DG8S182 0.25848 1 1 0.25848	0.585288	1,19538	57	.D.105263	625	0.0896	0.090909	0.297763	1	0	DG8S181
0.139885 2.48889 57 0.028308 625 0.0144 0.161629 2.16142 1 18 DG8S181 0.24849 1.52807 57 0.028316 625 0.0288 0.0282791 1 18 DG8S181 0.24849 1.52807 57 0.028316 625 0.0528 0.025808 1.22516 1 14 DG8S181 0.24849 1.52807 57 0.017544 625 0.0022 0.00499 3.00964 1 2 DG8S181 0.774579 1.3739 57 0.016764 625 0.0052 0.004590 0.0052192 1 2 DG8S181 0.288340 4.58512 57 2.825-14 625 0.0066 0.00518 0.026192 1 2 DG8S181 0.18481 0.004252 44 0.075 818 0.02058 0.0918213 2.02743 1 0 DG8S181 0.18481 0.18495 44 0.125 818 0.07042 0.001757 2.02743 1 0 DG8S181 0.18481 0.18495 44 0.125 818 0.074042 0.001757 2.02743 1 0 DG8S182 0.18481 0.18495 44 0.125 818 0.074042 0.001757 2.02743 1 0 DG8S182 0.18481 0.18495 44 0.125 818 0.074042 0.001757 2.02743 1 0 DG8S182 0.18481 0.34974593 47 0.784895 588 0.554577 0.557025 0.014576 1 0 DG8S182 0.500557 1.47789 37 0.544585 588 0.554577 0.557025 0.455768 1 0 DG8S182 0.500557 1.47789 37 0.544585 588 0.554577 0.557025 0.455768 1 0 DG8S182 0.005577 0.001676 888 0.054577 0.577025 0.455768 1 0 DG8S182 0.055727 0.0016778 0.001677 0.477894 0.484585 1 2 DG8S182 0.054577 0.001677 0.477895 0.455768 0.45576 0.455768 1 0 DG8S182 0.055727 0.0016778 0.001677 0.477895 0.455768 0.45576 0.455768 1 0 DG8S182 0.078727 0.001678				0.18421		0.138			1	8	DG8S181
0.837448 0.911411 57											
0.248949   1.52807         57         0.08771   5.25         0.0032 (0.0038)         3.0984   1         1         14         DG8S181   0.774679   1.3738   57         0.008774   6.25         0.0032 (0.0038)         3.0984   1         2         DG8S181   0.774679   1.3738   57         0.008774   6.25         0.0060 (0.00589)         0.0020192   1         2         DG8S181   0.28481   1         0.004522   1         2         DG8S182   0.28481   1         0.004522   1         2         DG8S182   0.28481   1         0.004522   1         2         DG8S182   0.28481   1         0.004523   1         0.004521   1         0.004523   1         0.004523   1         0.004523   1         0.004523   1         0.004523   1         0.004524   1         0.004523   1         0.004524   1         0.004523											
0.082771   5.58247   57											
0.774579 1.3739 57 0.008772 625 0.0004 0.008590 0.0820192 1 2 DG8S181 0.283818 1 0.58561 2 1 2 DG8S181 0.18481 0.604252 44 0.1256 818 0.0070462 0.0017877 2.02743 1 0 DG8S182 0.918481 0.02608 47 0.765987 41 0.76131 0.76131 0.76131 0.76132 0.0014576 1 0 DG8S182 0.918548 0.074583 47 0.756987 41 0.76131 0.76132 0.0014576 1 0 DG8S188 0.500557 1.17799 37 0.564595 588 0.554577 0.557025 0.453758 1 0 DG8S182 0.500557 1.17799 37 0.216216 588 0.170775 0.17554 0.946595 1 0 DG8S182 0.056557 1.17799 37 0.216216 588 0.170775 0.17554 0.946595 1 0 DG8S182 0.056559 0.05723 0.08133 0.0014579 1 16 DG8S182 0.056559 0.05723 0.08133 0.0014579 1 16 DG8S182 0.056559 0.05723 0.08133 0.0014579 0.08133 0.076103 0.08132 0.0014579 0.08133 0.076103 0.08132 0.0014579 0.08132 0.08132 0.065723 0.08132 0.0	0,249849										
0.288246	0.082771	5.56247	57	0.017544	625	0.0032	0.004399	3.00964	1	-2	DG8S181
0.288246	0.774579	1.3739	57	0.008772	625	0.0064	0.006598	0.0820192	1	, 2	DG8S181
0.154481 0.004252 44 0.125 818 0.02538 0.918213 2.02743 1 0 DG8S182 0.918484 0.715848 1.02808 47 0.756987 41 0.76131 0.76132 0.76132 0.76132 1 0 DG8S183 0.918248 0.76593						0.0058					DG85181
0.19481 1,02509 44 0,75595 641 0,76195 7,0619 0,76191 0,76192 0,016767 1 0, DG8S182 0,918548 0,974583 47 0,254043 641 0,23869 0,238572 0,0104676 1 0, DG8S182 0,500557 1,17799 37 0,594595 588 0,554577 0,557025 0,458755 1 0, DG8S182 0,355055 1,3395 37 0,216216 588 0,770775 0,173554 0,946595 1 2 DG8S182 0,68589 2,068589 2,068139 37 0,051081 588 0,0740775 0,173554 0,946595 1 2 DG8S182 0,687373 0,808381 37 0,051081 588 0,068021 0,05821 0,238141 3,57689 1 10 DG8S192 0,687379 0,808381 37 0,051081 588 0,068021 0,058229 0,71996 1 -2 DG8S192 0,48269 5,285-12 37 0,34504 568 0,008021 0,05829 0,71996 1 -2 DG8S192 0,48269 5,285-12 37 0,34504 568 0,004401 0,004132 0,53242 1 8 DG8S192 0,48269 5,285-12 37 0,34504 568 0,0073083 0,073083 0,71990 1,407025 1 12 DG8S192 0,48269 5,285-12 37 0,34504 568 0,0073083 0,073083 0,05529 0,171996 1 4 -4 DG8S192 0,48269 5,285-12 37 0,345-15 568 0,0073083 0,073083 0,252644 1 -4 DG8S192 0,48269 5,285-12 37 0,345-15 568 0,0073083 0,003508 0,55672 1 10 DG8S192 0,48269 5,48539 0,48595 7 1,235-12 568 0,003521 0,003521 0,003530 0,55672 1 10 DG8S192 0,546339 0,489507 0,235161 7,300 0,352162 0,632162 0,63339 1,12299 0,2 0,646339 730 0,532162 0,63											
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0,91848 0,974583 47 0,234043 641 0,23868 0,238372 0,0104676 1 1 1 DG8S192 0,500557 1,17799 37 0,504595 588 0,554577 0,557025 0,453756 1 2 DG8S192 0,559573 1,3395 37 0,216216 588 0,170775 0,173554 0,946565 1 2 DG8S192 0,65723 0,798803 37 0,041081 588 0,024648 0,232341 3,57689 1 1 2 DG8S192 0,678279 0,808381 37 0,045045 588 0,098472 0,088347 0,276193 1 -2 DG8S192 0,426489 5,285-12 37 0,346045 588 0,098472 0,088347 0,276193 1 -2 DG8S192 0,426499 5,285-12 37 0,346045 588 0,004401 0,004132 0,83242 1 8 DG8S192 0,426499 5,285-12 37 0,34654 588 0,004401 0,004132 0,83242 1 8 DG8S192 0,476998 3,485-10 37 1,235-12 568 0,001761 0,001653 0,252644 1 4 DG8S192 0,61522 2,805-12 37 4,945-15 568 0,001761 0,001653 0,252644 1 4 DG8S192 0,61522 2,805-12 37 4,945-15 568 0,001761 0,001653 0,252644 1 1 DG8S192 0,61522 2,805-12 37 4,945-15 568 0,001761 0,001653 0,252644 1 1 DG8S192 0,646339 0,80507 0,28502 0,804839 730 0,632192 0,8305051 0,353916 1 DG8S192 0,546339 0,809507 0,28502 0,89546 7 0,001667 77 0,334564 0,336949 0,383916 1 DG8S197 0,546339 0,566738 0 0,555833 677 0,502216 0,506784 1,39227 1 DG8S201 0,978142 0,984481 80 0,333333 677 0,334564 0,305057 0,978142 0,984481 80 0,333333 677 0,334564 0,305057 0,37853 0,516752 80 0,001687 677 0,31452 0											
0.500557         1.17798         37         0.594595         588         0.554577         0.557025         0.485758         1         0         DGBS192           0.068589         2.08E-12         37         5.25E-14         588         0.024648         0.023414         3.57889         1         16         DGBS192           0.67873         0.798803         37         0.054084         568         0.086212         0.085289         0.171968         1         4         DGBS192           0.67873         0.798803         37         0.054064         568         0.086021         0.05289         0.171968         1         4         DGBS192           0.52343         0.724987         37         0.054054         588         0.073083         0.071901         0.407025         1         12         DGBS192           0.581522         2.806-12         37         4.945-15         568         0.073083         0.071901         0.407025         1         10         DGBS192           0.581522         2.806-12         37         4.945-15         568         0.003508         0.50672         1         10         DGBS192           0.476988         3.495-10         37         4.945-15         5	0.918548	1.02608	47	0.765957	641	0.76131	0.761628	0.0104576	1	Ο,	DG8\$188
0.500557 1.17799 37 0.564595 588 0.554577 0.557025 0.453756 1 0 DG8S192 0.330595 1.3395 37 0.216216 588 0.170775 0.173554 0.946595 1 16 DG8S192 0.058589 2.08E-12 37 5.25E-14 588 0.024648 0.023441 3.57689 1 16 DG8S192 0.67873 0.788303 37 0.041081 588 0.086021 0.058347 0.279193 1 -2 DG8S192 0.278379 0.808381 37 0.054054 588 0.086021 0.055289 0.171968 1 4 DG8S192 0.28434 0.724857 37 0.35464 588 0.086021 0.04528 0.171968 1 4 DG8S192 0.52348 0.724857 37 0.35464 588 0.073083 0.071901 0.407025 1 12 DG8S192 0.52348 3.49E-10 37 4.94E-15 588 0.073083 0.071901 0.407025 1 12 DG8S192 0.47698 3.49E-10 37 4.94E-15 588 0.003521 0.003508 0.50572 1 10 DG8S192 0.47698 3.49E-10 37 4.94E-15 588 0.003521 0.003508 0.50572 1 10 DG8S192 0.584339 0.80507 92 0.604839 700 0.632102 0.85303 0.50572 1 10 DG8S192 0.584339 0.80507 92 0.604839 700 0.632102 0.839049 0.383916 1 0 DG8S192 0.584339 0.80507 92 0.604839 700 0.632102 0.839049 0.383916 1 0 DG8S192 0.288022 1.233 00 0.555333 077 0.357600 0.38949 0.383916 1 0 DG8S192 0.978142 0.994481 60 0.33333 077 0.352604 0.33464 0.007030 1 4 DG8S201 0.73164 0.73545 0.001687 677 0.131402 0.12223 0.89799 1 -2 DG8S201 0.73164 0.71716 2 0.395977 735 0.605061 0.383916 1 0 DG8S201 0.73164 0.73546 0.853125 92 0.003527 735 0.046939 0.046424 0.117702 1 2 DG8S201 0.73164 0.71716 2 0.36571 392 0.365714 0.058210 0.58671 0.7016 0.58671 0.0016 0.56512 0.0016 0.0	0.918548	0.974583	47	0.234043	641	0.23869	0.238372	0.0104576	1	-1	DG8S188
0.330555		1.17799	37	0.594595	568	0.554577	0.557025	0.453756	1	0	DG8S192
0,058589 0,05E712 37 (0.58903 37 0.031681 568 0.09847 0.088348 0.088447 0.088348 0.084641 0.044132 0.083242 1 8 DGBS192 0.18222 2.80E-12 37 4.34E-15 568 0.004101 0.001633 0.252644 1 4 0.0883192 0.476988 3.48E-10 37 1.23E-12 568 0.003521 0.003528 0.003521 0.05572 1 10 DGBS192 0.476988 3.48E-10 37 1.23E-12 568 0.003521 0.003538 0.05572 1 10 DGBS192 0.476988 3.48E-10 37 1.23E-12 568 0.001761 0.001653 0.252644 1 14 DGGS192 0.546339 0.80507 0.2 0.604839 730 0.032182 0.850051 0.389946 1 0 DGGS192 0.546339 0.80507 0.2 0.604839 730 0.932182 0.850051 0.389946 1 0 DGGS192 0.546339 0.080507 0.2 0.604839 730 0.932780 0.830946 1 1 DGGS197 0.546339 1.12296 62 0.395161 730 0.367600 0.369049 0.363916 1 1 DGGS197 0.78642 0.984441 60 0.333333 677 0.334694 0.334440 0.007507 1 4 DGGS201 0.78764 0.866738 60 0.0016867 677 0.31462 0.128223 1.189599 1 -2 DGGS201 0.73165 0.73164 0.866738 60 0.0016867 677 0.031768 0.085576 0.117702 1 0 DGGS201 0.73164 0.853125 62 0.040323 735 0.046939 0.046424 0.117702 1 0 DGGS212 0.73164 0.853125 62 0.040323 735 0.046939 0.046424 0.117702 1 0 DGGS212 0.58501 1.1602 35 0.386714 392 0.350765 0.35383 0.338455 1 0 DGGS212 0.59161 1.1602 35 0.386714 392 0.350765 0.35383 0.338455 1 0 DGGS212 0.59161 1.1602 35 0.386714 392 0.350765 0.35383 0.338455 1 0 DGGS215 0.057153 1.4621 5 1 0.45086 202 0.351001 0.57454 0.886172 51 0.08652 60 0.001687 677 0.031768 0.003529 0.99776 1 2 DGGS212 0.05101 1.26739 51 0.08652 60 0.001687 677 0.031768 0.003529 0.99776 1 2 DGGS212 0.05101 1.1002 35 0.04642 0.0017702 1 0 DGGS215 0.05101 1.1002 35 0.04642 0.0017702 1 0 DGGS215 0.05101 1.1002 35 0.04642 0.0017702 0.0											
0.58723 0,788803         37         0.081081 6588 0,068021 0,068229 0,171958 1         -2         DGBS192 0,0680381 3         7         0.0561054 658 0,068021 0,065229 0,171958 1         4         DGBS192 0,068528 0,078063 0,068021 0,065229 0,071958 0,073063 0,073061 0,074010 0,074025 1         1         2         DGBS192 0,078063 0,073063 0,073061 0,074010 0,074025 1         1         2         DGBS192 0,078063 0,073063 0,074010 0,074025 1         1         2         DGBS192 0,078063 0,074061 0,074025 1         1         2         DGBS192 0,078063 0											
0.678370 0.808381 37 0.054054 568 0.068021 0.065226 0.171968 1 4 DGBS192 0.523483 0.724957 37 0.054054 588 0.004041 0.044132 0.65324 1 8 DGBS192 0.61522 2.80E-12 37 4.94E-15 658 0.004041 0.004132 0.505972 1 12 DGBS192 0.61522 2.80E-12 37 4.94E-15 658 0.003521 0.003521 0.003508 0.505972 1 10 DGBS192 0.61522 2.80E-12 37 4.94E-15 658 0.003521 0.003508 0.505972 1 10 DGBS192 0.61522 2.80E-12 37 4.94E-15 658 0.003521 0.003508 0.505972 1 10 DGBS192 0.61522 2.80E-12 37 4.94E-15 658 0.001761 0.001653 0.252644 1 14 DGGBS192 0.546339 1.12296 62 0.604639 730 0.932182 0.835091 0.3059916 1 0 DGBS197 0.546339 1.12296 62 0.395161 730 0.367808 0.3680051 0.389916 1 0 DGGBS197 0.546339 1.12296 62 0.395161 730 0.367808 0.368051 0.389916 1 1 DGGBS197 0.8860738 60 0.055833 677 0.502216 0.506784 1.39227 1 0 DGGS201 0.978142 0.984481 60 0.333333 677 0.334694 0.334484 0.0007507 1 4 DGGS201 0.373164 0.866738 60 0.0016687 677 0.31462 0.128223 1.89599 1 -2 DGGS201 0.73164 1.17218 62 0.0595977 735 0.953081 0.953576 0.171702 1 0 DGGS201 0.73164 1.17218 62 0.0595977 735 0.953081 0.955576 0.171702 1 0 DGGS201 0.58951 0.867016 1.1622 35 0.365714 392 0.350765 0.35383 0.38425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1622 35 0.365714 392 0.350765 0.35383 0.338425 1 0 DGGS215 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 35 0.56718 1.1626 3											
0.424689   5.28E-12   37   2.33E-14   568   0.004401   0.004.132   0.63242   1   1   1   DG85192   0.61522   2.80E-12   37   0.50404   568   0.073068   0.071061   0.047025   1   12   DG85192   0.61522   2.80E-12   37   4.94E-15   568   0.001761   0.01653   0.252844   1   -4   DG85192   0.61522   2.80E-12   37   4.94E-15   568   0.001761   0.01653   0.252844   1   -4   DG85192   0.61522   2.80E-12   37   4.94E-15   568   0.001761   0.01653   0.252644   1   1   DG85192   0.546339   0.890507   62   0.604839   730   0.632192   0.630061   0.585916   1   0   DG85197   0.283022   1.253   60   0.556333   677   0.34564   0.34644   0.0007507   1   0   DG85201   0.750816   1   0   DG85201   0.750816   0.66736   0   0.01667   0.750816   0.33464   0.0007507   1   4   DG85201   0.317683   0.516782   0   0.016867   677   0.31456   0.33464   0.0007507   1   0   DG85201   0.37858   0.516782   0   0.016867   677   0.0314756   0.030529   0.99976   1   2   DG85201   0.73154   0.563125   0   0.016867   677   0.0314756   0.030529   0.99976   1   2   DG85201   0.73154   0.563125   0   0.016867   677   0.0314756   0.030529   0.99976   1   2   DG85201   0.73154   0.563125   0   0.040323   735   0.048039   0.046424   0.117702   1   0   DG85212   0.560161   0.11702   1   0   DG85212   0.560161   0.11702   1   0   DG85215   0.560161   0.11702   0   DG85215   0.050161   0.0000000000000000000000000000000000											
0.82248B3         0.724687         37         0.954054         588         0.073068         0.071691         0.407025         1         12         DG85192           0.81522         2.80E-12         37         4.94E-15         568         0.001761         0.01852         0.252644         1         -4         DG85192           0.476998         3.49E-10         37         4.94E-15         568         0.001761         0.001663         0.252644         1         1         DG85192           0.548339         0.809507         62         0.064839         730         0.632192         0.830616         0         DG85197           0.548339         1.12296         62         0.395161         730         0.367808         0.389949         0.383916         1         1         DG85197           0.52814         0.868738         60         0.565833         877         0.344684         0.344644         0.007507         1         4         DG85201           0.12591         0.868738         60         0.01887         73         0.344644         0.3407507         1         4         DG85201           0.12514         0.866738         60         0.018877         735         0.853601	0.678379	0.808381	37	0.054054	568	0,066021	0.065289	0.171956	1	4	DG8S192
0.61522 2.00E-12 37 4.94E-15 688 0.007361 0.01653 0.252644 1 -4 DG85192 0.476998 3.49E-10 37 4.94E-15 668 0.0016761 0.01653 0.252644 1 -4 DG85192 0.616522 2.80E-12 37 4.94E-15 668 0.003521 0.003308 0.50572 1 10 DG85192 0.546339 9.899507 62 0.604839 730 0.632192 0.630051 0.353916 1 0 DG85192 0.546339 1.12296 62 0.395161 730 0.367808 0.509784 1.39227 1 0 DG85197 0.546339 0.686738 60 0.001687 677 0.502216 0.506784 1.39227 1 0 DG85197 0.73564 0.001687 677 0.034564 0.334544 0.0007507 1 4 DG85201 0.73584 0.731672 60 0.016867 677 0.031768 0.128293 1.89769 1 -2 DG85201 0.73154 0.73154 0.855125 62 0.045023 735 0.045039 0.045424 0.117702 1 0 DG85212 0.55061 1 0.870115 35 0.614286 392 0.454684 0.844028 0.291109 1 4 DG85215 0.560784 1.1622 0.55074 392 0.350786 0.353835 1.05E-12 35 0.356714 392 0.350786 0.35383 0.339425 1 0 DG85215 0.565385 1.05E-12 35 0.356714 392 0.350786 0.35383 0.339425 1 0 DG85215 0.565385 1.05E-12 35 0.356714 392 0.350786 0.35383 0.339425 1 0 DG85215 0.565385 1.05E-12 35 0.356714 392 0.350786 0.35383 0.339425 1 0 DG85215 0.565385 1.05E-12 35 0.356714 392 0.350786 0.35383 0.339425 1 0 DG85215 0.567384 0.474098 61 0.032529 292 0.273973 0.246984 0.346986 1 0.568521 0.026221 0.276384 0.474098 61 0.032529 292 0.350786 0.35383 0.350859 1 0.0068221 0.027024 0.474098 61 0.032529 292 0.753973 0.246983 1.17324 1 7 DG85221 0.276784 0.868172 51 0.088235 292 0.165921 0.157434 4.88927 - 2 DG85221 0.276784 0.868172 51 0.088235 292 0.165921 0.157434 4.88927 - 2 DG85221 0.276784 0.474098 61 0.088235 292 0.165921 0.157434 4.488927 - 2 DG85221 0.276784 0.474098 61 0.088235 292 0.165921 0.157434 4.488927 - 2 DG85221 0.276784 0.48617 58 0.04618 58 0.047618 58 0.047618 0.047618 58 0.047618 0.0476	0.426469	5.26E-12	37	2.33E-14	568	0.004401	0.004132	0.63242	1	8	DG8S192
		0.724957	37	0.054054	568	0.073063	0.071901	0.407025	1	12	DG8S192
0.476988         3.49E-10         37         1,23E-12         568         0.003521         0.003308         0.50572         1         10         DG8S192           0.81522         2.80E-12         37         4,94E-15         568         0.001761         0.001633         0.252844         1         14         DG8S192           0.546339         0.890507         62         0.604839         730         0.632192         0.830551         0.338316         1         0         DG8S197           0.288022         1.253         60         0.558533         677         0.502216         0.506744         1.39227         1         0         DG8S201           0.978142         0.994481         60         0.333333         677         0.314564         0.334644         0.0007507         1         4         DG8S201           0.182591         0.866736         60         0.016687         677         0.31456         0.334564         0.300750         9.99776         1         2         DG8S201           0.317585         0.816752         6         0.040833         735         0.846816         0.95575         0.117702         1         2         DG8S215           0.550161         1.1622         3											
0.546322         2.80E-12         37         4.94E-15         568         0.001781         0.001653         0.252844         1         1         DG8S197           0.548339         0.890507         62         0.604839         730         0.632102         0.380511         0.383916         1         1         DG8S197           0.288022         1.253         60         0.558333         677         0.334594         0.383949         0.39316         1         1         DG8S201           0.192591         0.994481         60         0.333333         677         0.334694         0.304494         0.0007507         1         4         DG8S201           0.192591         0.6867386         60         0.016867         677         0.031755         0.039976         1         2         DG8S201           0.73154         1.17218         62         0.959877         735         0.853016         0.95576         0.117702         1         2         DG8S212           0.73154         1.1622         35         0.85827         735         0.04839         0.046424         0.117702         1         2         DG8S215           0.550161         1.1622         35         0.858215         392											
0.548339         0.890507         62         0.604839         730         0.832182         0.830951         0.383916         1         D         DG8S197           0.548339         1.12296         62         0.395161         730         0.367808         0.389949         0.363816         1         D         DG8S197           0.974142         0.994481         60         0.533333         677         0.334564         0.3007507         1         4         DG8S201           0.182591         0.666736         80         0.091667         677         0.314562         0.126291         0.995672         1         2         DG8S201           0.73154         1.17216         62         0.959677         735         0.853061         0.953576         0.117702         1         2         DG8S212           0.58061         1.17216         62         0.040323         735         0.853061         0.953576         0.117702         1         2         DG8S215           0.558385         1.05E-12         35         0.365714         392         0.046283         0.23176         0.3171702         1         2         DG8S215           0.565161         1.1922         35         0.86E-14         392<											
0.586339         1.12296         62         0.359161         730         0.367808         0.369949         0.363916         1         1         DG8S201           0.238022         1.253         60         0.558333         677         0.502216         0.506784         1.39227         1         0         DG8S201           0.73164         0.566736         60         0.091687         677         0.0317785         0.303233         1.95769         1         -2         DG8S201           0.73154         1.17216         62         0.959877         735         0.953061         0.953576         0.117702         1         0         DG8S212           0.73164         0.853125         62         0.040323         735         0.046939         0.04424         0.117702         1         0         DG8S212           0.73164         0.853125         62         0.040323         735         0.046939         0.044244         0.117702         1         0         DG8S215           0.560161         1.1622         35         0.28814         392         0.050836         0.84028         0.291109         1         4         DG8S215           0.558385         1.05521         5         2.886115											
0.283022         1,253         60         0.558333         677         0.502216         0.506784         1.39227         1         0         DG8S201           0.192581         0.5666736         60         0.091687         677         0.131482         0.128223         1.89769         1         -2         DG8S201           0.73154         1.17216         62         0.958677         735         0.953061         0.955576         0.17702         1         0         DG8S201           0.73154         0.853125         62         0.040323         735         0.058061         0.955576         0.17702         1         0         DG8S212           0.58981         0.857155         62         0.040323         735         0.0580861         0.058767         0.17702         1         2         DG8S215           0.58981         0.857155         0.353031         0.35837         0.342508         1         0         DG8S215           0.58985         1.05E-12         35         2.88E-15         392         0.058313         0.33933         0.339425         1         0         DG8S215           0.565385         1.05E-12         35         2.88E-15         392         0.073873         0.043	0.546339	0.890507	62	0.604839	730	0.632192	0.630051	0.363916	1	Q	DG8S197
0.978142         0.994481         60         0.333333         677         0.334694         0.3007507         1         4         DG8S201           0.182591         0.566738         60         0.091667         677         0.131482         0.128223         1.89769         1         -2         DG8S201           0.317853         0.516752         60         0.095877         735         0.9853676         0.117702         1         0         DG8S212           0.73164         1.17216         62         0.959877         735         0.984830         0.046424         0.117702         1         0         DG8S215           0.58981         0.870115         35         0.614286         392         0.546884         0.644028         0.291109         1         4         DG8S215           0.569385         1.05E-12         35         0.385714         392         0.05255         0.03023         0.3842508         1         2         DG8S215           0.051051         1.4621         51         0.45088         292         0.35333         0.338425         1         2         DG8S215           0.027024         0.474098         51         0.03825         292         0.25932         0.274973 <td>0.546339</td> <td>1.12296</td> <td>62</td> <td>0.395161</td> <td>730</td> <td>0.367808</td> <td>0.369949</td> <td>0.363916</td> <td>1</td> <td>1</td> <td>DG8S197</td>	0.546339	1.12296	62	0.395161	730	0.367808	0.369949	0.363916	1	1	DG8S197
0.978142         0.994481         60         0.333333         677         0.334694         0.3007507         1         4         DG8S201           0.182591         0.566738         60         0.091667         677         0.131482         0.128223         1.89769         1         -2         DG8S201           0.317853         0.516752         60         0.095877         735         0.9853676         0.117702         1         0         DG8S212           0.73164         1.17216         62         0.959877         735         0.984830         0.046424         0.117702         1         0         DG8S215           0.58981         0.870115         35         0.614286         392         0.546884         0.644028         0.291109         1         4         DG8S215           0.569385         1.05E-12         35         0.385714         392         0.05255         0.03023         0.3842508         1         2         DG8S215           0.051051         1.4621         51         0.45088         292         0.35333         0.338425         1         2         DG8S215           0.027024         0.474098         51         0.03825         292         0.25932         0.274973 <td>0.238022</td> <td>1.253</td> <td>60</td> <td>0.558333</td> <td>677</td> <td>0.502216</td> <td>0.506784</td> <td>1.39227</td> <td>1</td> <td>0</td> <td>DG8S201</td>	0.238022	1.253	60	0.558333	677	0.502216	0.506784	1.39227	1	0	DG8S201
0.192591         0.866736         60         0.091687         677         0.131482         0.128223         1.89769         1         -2         DG8S201           0.317853         0.516752         60         0.018687         677         0.031758         0.030529         0.99776         1         2         DG8S201           0.73164         0.853125         62         0.040323         735         0.046939         0.046424         0.117702         1         2         DG8S212           0.58961         0.870115         35         0.14286         392         0.464884         0.44028         0.2911109         1         4         DG8S215           0.58961         1.1522         35         0.365714         392         0.350766         0.33333         0.339425         1         0         DG8S215           0.589715         1.1522         35         2.081514         392         0.361301         0.374836         2.922819         1         0         DG8S215           0.587153         1.4521         51         0.45088         292         0.273973         0.281341         1.03063         1         5         DG8S2215           0.27024         0.4740986         51         0.022412 <td></td>											
0.317853         0.516762         60         0.018687         677         0.031758         0.030529         0.99776         1         2         DG8S201           0.73164         0.853125         62         0.040923         735         0.048939         0.046424         0.117702         1         2         DG8S212           0.58961         0.870115         35         0.614286         392         0.046942         0.117702         1         2         DG8S215           0.650161         1.1822         35         0.365714         392         0.050765         0.33333         0.339425         1         0         DG8S215           0.558385         1.05E-12         35         2.68E-15         392         0.002551         0.002342         0.342508         1         2         DG8S215           0.031001         1.26739         51         0.323529         292         0.273973         0.281341         1.03063         1         DG8S2216           0.270274         0.474098         51         0.082352         292         0.169521         0.157434         4.88927         1         2         DG8S221           0.2781737         0.540568         51         0.082422         20.13389 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
0.73154         1.17216         62         0.959677         735         0.953071         0.953576         0.117702         1         0         DG8S212           0.73154         0.863125         62         0.040323         735         0.046939         0.046424         0.117702         1         2         DG8S215           0.58061         0.870115         35         0.363714         392         0.350765         0.33333         0.334250         1         0         DG8S215           0.580835         1.05E-12         35         2.88E-15         392         0.050765         0.33333         0.342508         1         2         DG8S215           0.087163         1.4521         51         0.45088         292         0.361301         0.3742508         1         2         DG8S216           0.31001         1.26739         51         0.323529         292         0.273973         0.281341         1.03003         1         5         DG8S221           0.27024         0.474085         51         0.08235         292         0.159521         0.157434         4.88927         1         -2         DG8S221           0.27024         0.472666         51         0.082412         292											
0.73154         0.853125         62         0.040323         735         0.046939         0.046424         0.117702         1         2         DG8S212           0.58951         0.870115         35         0.614286         392         0.585684         0.644028         0.291109         1         4         DG8S215           0.6560161         1.1622         35         0.385714         392         0.035765         0.33583         0.339425         1         0         DG8S215           0.658385         1.05E-12         35         2.88E-15         392         0.02551         0.002342         0.342508         1         2         DG8S215           0.031001         1.26739         51         0.323529         292         0.273973         0.281341         1.03063         1         5         DG8S221           0.276737         0.540566         51         0.029412         292         0.015302         0.049563         1.17324         1         7         DG8S221           0.276373         0.540566         51         0.029412         292         0.01302         0.115724         1         7         DG8S221           0.570284         1.42E-14         51         0.088235         292 <td>0.317853</td> <td>0.516752</td> <td></td> <td>0.016667</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	0.317853	0.516752		0.016667							
0.58851         0.870115         35         0.644286         392         0.646884         0.644028         0.291109         1         4         DG8S215           0.560161         1,1622         35         0.385714         392         0.350765         0.35383         0.334256         1         0         DG8S215           0.658385         1,05E-12         35         0.385714         392         0.02551         0.002342         1         2         DG8S215           0.087153         1,4521         51         0.45098         292         0.273973         0.281341         1.03063         1         5         DG8S221           0.27024         0.474098         51         0.038235         292         0.159521         0.157434         4.88927         1         -2         DG8S221           0.27024         0.474098         51         0.038235         292         0.053082         0.049533         1.17324         1         7         DG8S221           0.281481         0.712872         61         0.088235         292         0.013899         0.01312         0.109792         1         1         DG8S221           0.740381         0.712872         61         0.008204         292	0.73154	1.17218	62	0.959877	735	0.953061	0.953576	0.117702	1	0	DG8\$212
0.58851         0.870115         35         0.644286         392         0.646884         0.644028         0.291109         1         4         DG8S215           0.560161         1,1622         35         0.385714         392         0.350765         0.35383         0.334256         1         0         DG8S215           0.658385         1,05E-12         35         0.385714         392         0.02551         0.002342         1         2         DG8S215           0.087153         1,4521         51         0.45098         292         0.273973         0.281341         1.03063         1         5         DG8S221           0.27024         0.474098         51         0.038235         292         0.159521         0.157434         4.88927         1         -2         DG8S221           0.27024         0.474098         51         0.038235         292         0.053082         0.049533         1.17324         1         7         DG8S221           0.281481         0.712872         61         0.088235         292         0.013899         0.01312         0.109792         1         1         DG8S221           0.740381         0.712872         61         0.008204         292	0.73154	0.853125	62	0.040323	735	0.046939	0.046424	0.117702	1	2	DG8S212
0.650161         1,1622         35         0.386714         392         0.350765         0.35333         0.339425         1         0         DG8S215           0.658385         1.05E-12         35         2.88E-15         392         0.002551         0.002342         0.342508         1         2         DG8S215           0.087153         1.4621         51         0.45098         292         0.273973         0.281341         1.03063         1         5         DG8S221           0.027024         0.474098         51         0.028412         292         0.159521         0.157434         4.88927         1         -2         DG8S221           0.278737         0.540566         51         0.028412         292         0.123280         0.118076         1.09599         1         4         DG8S221           0.27937         0.540566         51         0.028412         292         0.123280         0.118076         1.09599         1         4         DG8S221           0.570284         1.42E-14         51         0.088235         292         0.123280         0.11312         0.109722         1         1         DG8S221           0.570284         1.42E-14         51         0.008842<		0.870115	35	0.614286	392	0.646684	0.644028	0.291109	1		DG8S215
0.558385         1.05E-12         35         2.68E-15         392         0.002351         0.002342         0.342508         1         2         DG8S2216           0.03101         1.4521         51         0.45098         292         0.381301         0.374536         2.92619         1         0         DG8S221           0.027024         0.474098         51         0.028252         292         0.159521         0.157434         4.88927         1         -2         DG8S221           0.278737         0.540566         51         0.029412         292         0.053082         0.049563         1.17324         1         7         DG8S221           0.278737         0.540566         51         0.029412         292         0.053082         0.049563         1.17324         1         7         DG8S221           0.740381         0.712872         51         0.00825         292         0.013428         0.1312         0.109792         1         1         DG8S221           0.740381         0.712872         51         0.008804         292         0.013428         0.039792         1         1         DG8S232           0.670244         2.88119         51         0.008843         0.981733											
0.087163         1.4521         51         0.45088         292         0.381301         0.374836         2.92819         1         0         DG8S221           0.027024         0.474096         51         0.082355         292         0.273973         0.281341         1.03063         1         5         DG8S221           0.278737         0.540666         51         0.028412         292         0.053082         0.049563         1.17224         1         7         DG8S221           0.295148         0.888172         51         0.088235         292         0.123288         0.118076         1.09599         1         4         DG8S221           0.740381         0.712872         51         0.0088235         292         0.013699         0.014589         1         4         DG8S221           0.570284         1.42E-14         51         2.44E-17         292         0.001712         0.004373         0.80186         1         1         DG8S221           0.233644         2.88119         51         0.008804         292         0.001712         0.004373         0.80186         1         1         DG8S232           0.816519         0.954799         58         0.37059         728											
0.31001         1.26739         51         0.323529         292         0.273973         0.281341         1.03063         1         5         DG8S221           0.270204         0.474098         51         0.08235         292         0.169521         0.157434         4.88927         1         -2         DG8S221           0.278737         0.540568         51         0.029412         292         0.053082         0.049563         1.17324         1         7         DG8S221           0.285148         0.888172         51         0.088235         292         0.13288         0.118076         1.09599         1         4         DG8S221           0.740381         0.712872         61         0.00844         292         0.013699         0.01412         0.109792         1         1         DG8S221           0.670284         1.42E-14         61         2.44E-17         292         0.001712         0.01458         0.322208         1         8         DG8S221           0.423644         2.83119         51         0.008804         292         0.033425         0.044373         0.640186         1         -1         DG8S232           0.2865499         58         0.37089         728											
0.027024         0.474098         51         0.088235         292         0.169521         0.157434         4.88927         1         -2         DG8S221           0.278737         0.540566         51         0.029412         292         0.053082         0.049563         1.17324         1         7         DG8S221           0.285148         0.888172         51         0.009804         292         0.013699         0.01312         0.109792         1         1         DG8S221           0.740381         0.712872         51         0.009804         292         0.0013699         0.01412         0.109792         1         1         DG8S221           0.423644         2.88119         51         0.009804         292         0.003425         0.0044373         0.640186         1         -1         DG8S221           0.288824         1.2375         58         0.37091         726         0.331579         0.334184         1.1251         1         0         DG8S232           0.816519         0.64799         58         0.37069         726         0.381543         0.38074         0.0538355         1         2         DG8S232           0.310151         0.742327         58         0.1120											
0.278737         0.540568         51         0.029412         292         0.053082         0.049563         1.17324         1         7         DG8S221           0.285148         0.888172         51         0.088235         292         0.123288         0.118076         1.09599         1         4         DG8S221           0.740381         0.712872         51         0.009804         292         0.013699         0.01312         0.109792         1         1         DG8S221           0.670284         1.42E-14         51         2.44E-17         292         0.001712         0.001458         0.322208         1         8         DG8S221           0.288241         1.2875         58         0.37931         726         0.330579         0.334164         1.1251         1         0         DG8S232           0.816519         0.954799         58         0.37069         726         0.34531         0.0472327         58         0.112069         726         0.445317         0.142857         1.03003         1         -8         DG8S232           0.894702         0.942197         58         0.077586         726         0.081956         0.081633         0.0277481         1         -4         DG	0.31001	1.26739	51	0.323529	292	0.273973	0.281341	1.03063	1		DG8S221
0.278737         0.540568         51         0.029412         292         0.053082         0.049563         1,17324         1         7         DG8S221           0.295148         0.888172         51         0.098235         292         0.013699         0.118076         1,09599         1         4         DG8S221           0.740381         0.712872         51         0.00804         292         0.013689         0.01312         0.108792         1         1         DG8S221           0.670284         1.42E-14         51         2.44E-17         292         0.001712         0.001458         0.322208         1         8         DG8S221           0.288824         1.2375         68         0.37931         726         0.330579         0.334184         1.1251         1         0         DG8S232           0.816519         0.954799         58         0.37069         726         0.3451343         0.38074         0.0538355         1         2         DG8S232           0.810151         0.742327         58         0.017268         726         0.045317         0.142857         1.03003         1         -8         DG8S232           0.867722         0.942197         58         0.01724	0.027024	0.474098	51	0.088235	292	0.169521	0.157434	4.88927	1	-2	DG8S221
0.295148         0.88172         51         0.088235         292         0.123288         0.118076         1.09599         1         4         DG8S221           0.740381         0.712872         51         0.009804         292         0.013699         0.01312         0.109782         1         1         DG8S221           0.670284         1.42E-14         51         2.44E-17         292         0.001712         0.001458         0.322208         1         8         DG8S221           0.423644         2.88119         51         0.008804         292         0.003425         0.044366         1         -1         DG8S221           0.288824         1.2375         58         0.37069         726         0.331543         0.38074         0.0538355         1         2         DG8S232           0.310151         0.742327         58         0.112069         726         0.145317         0.142857         1.03003         1         -8         DG8S232           0.207478         0.445616         58         0.017242         726         0.037879         0.036352         1.58894         1         4         DG8S232           0.207478         0.445616         58         0.043163         726 </td <td></td> <td></td> <td>51</td> <td></td> <td>292</td> <td>0.053082</td> <td>0.049563</td> <td>1.17324</td> <td>1</td> <td>7</td> <td>DG8S221</td>			51		292	0.053082	0.049563	1.17324	1	7	DG8S221
0.740381         0.712872         51         0.009804         292         0.013699         0.01312         0.109792         1         1         DG8S221           0.570284         1.42E-14         51         2.44E-17         292         0.001712         0.004373         0.640186         1         -1         DG8S221           0.423644         2.88119         51         0.00804         292         0.003425         0.004373         0.640186         1         -1         DG8S221           0.288824         1.2375         58         0.37089         728         0.381543         0.38074         0.0538355         1         2         DG8S232           0.816519         0.964799         58         0.37069         728         0.581543         0.38074         0.0538355         1         2         DG8S232           0.810151         0.742327         58         0.112069         728         0.4145317         0.142857         1.03003         1         -8         DG8S232           0.810151         0.74227         58         0.017242         726         0.081958         0.081833         0.0277481         1         -4         DG8S232           0.207478         0.445664         3.868121											
0.670284         1.42E-14         51         2.44E-17         292         0.001418         0.322208         1         8         DG8S221           0.423644         2.88119         51         0.009804         292         0.003425         0.004373         0.640186         1         -1         DG8S221           0.288824         1.2375         58         0.37089         726         0.330579         0.334184         1.1251         1         0         DG8S232           0.816519         0.964799         58         0.37089         726         0.381543         0.38074         0.0538355         1         2         DG8S232           0.887702         0.942197         58         0.077586         726         0.045371         0.142857         1.03003         1         -8         DG8S232           0.207478         0.446616         58         0.017242         726         0.037879         0.036352         1.58894         1         4         DG8S232           0.126512         2.29086         58         0.043103         726         0.019284         0.021046         2.33479         1         -2         DG8S232           0.432654         1.388E-16         58         1.02E-17         726 </td <td></td>											
0.423844         2.88119         51         0.009804         292         0.003425         0.004373         0.640186         1         -1         DG8S221           0.288824         1.2375         68         0.37081         726         0.330579         0.334184         1.1251         1         0         DG8S232           0.816519         0.964799         58         0.37069         726         0.45317         0.142857         1.03003         1         -8         DG8S232           0.867702         0.942197         58         0.077586         726         0.081956         0.081633         0.0277481         1         -4         DG8S232           0.207478         0.445616         58         0.017242         726         0.037879         0.036352         1.58894         1         4         DG8S232           0.694999         1.33E-12         58         9.18E-16         726         0.00688         0.00638         0.153769         1         -8         DG8S232           0.432654         3.68E-15         58         1.02E-17         726         0.002755         0.002551         0.615689         1         -6         DG8S232           0.089413         1.94577         62         0.945											
0.288824         1,2375         58         0.37931         726         0.330579         0.334184         1,1251         1         0         DG8S232           0.816519         0.564799         58         0.37069         726         0.381543         0.38074         0.0538355         1         2         DG8S232           0.807702         0.942197         58         0.077586         726         0.045317         0.142857         1.03003         1         -8         DG8S232           0.207478         0.445618         58         0.017242         726         0.037879         0.036352         1.58894         1         4         DG8S232           0.207478         0.445618         58         0.043103         726         0.019284         0.021046         2.33479         1         -2         DG8S232           0.694959         1.33E-12         58         9.19E-16         726         0.000689         0.00538         0.153769         1         -8         DG8S232           0.432684         3.68E-15         58         1.02E-17         726         0.002755         0.002551         0.615689         1         6         DG8S232           0.089413         1.94577         62         0.9518											
0.816519         0.954799         58         0.37059         726         0.381543         0.38074         0.0538355         1         2         DG8S232           0.810151         0.742327         58         0.112069         726         0.145317         0.142857         1.03003         1         -8         DG8S232           0.807702         0.942197         58         0.077586         726         0.081956         0.081833         0.0277481         1         -4         DG8S232           0.207478         0.445618         58         0.017242         726         0.037879         0.038352         1.58894         1         4         DG8S232           0.126512         2.29086         58         0.043103         726         0.019284         0.021046         2.33479         1         -2         DG8S232           0.432654         3.68E-16         58         1.02E-17         726         0.002755         0.002851         0.615689         1         -6         DG8S232           0.089413         1.94577         62         0.951613         872         0.90997         0.913488         2.88491         1         0         DG8S238           0.089413         0.51937         62         0.	0.423644	2.88119		0.009804	292	0.003425		0.640186	1	-1	
0,310151         0,742327         58         0,112069         726         0.145317         0.142857         1,03003         1         -8         DG8S232           0,887702         0,942197         58         0,077586         726         0,081955         0,081633         0,0277481         1         -4         DG8S232           0,207478         0,445618         58         0,017242         726         0,037879         0,038352         1,58894         1         4         DG8S232           0,694959         1,33E-12         58         9,19E-16         726         0,000688         0,00638         0,153769         1         -6         DG8S232           0,694959         1,33E-12         58         9,19E-16         726         0,000688         0,005836         0,153769         1         -6         DG8S232           0,689413         1,94577         62         0,951613         872         0,90997         0,913488         2,88491         1         0         DG8S238           0,089413         0,513937         62         0,048387         672         0,09003         0,086512         2,88491         1         -8         DG8S238           0,274709         1,76358         37         0	0.288824	1.2375	58	0.37931	726	0.330579	0.334184	1,1251	1	0	DG8S232
0.310151         0.742327         58         0.112069         728         0.145317         0.142857         1.03003         1         -8         DG8S232           0.807702         0.942197         58         0.077586         728         0.081956         0.081633         0.0277481         1         -4         DG8S232           0.207478         0.446616         58         0.017242         726         0.037878         0.038352         1.58894         1         4         DG8S232           0.126512         2.29086         58         0.043103         726         0.019284         0.021046         2.33479         1         -2         DG8S232           0.6984959         1.33E-12         58         9.19E-16         726         0.0002689         0.000638         0.153769         1         -6         DG8S232           0.432654         3.68E-16         58         1.02E-17         726         0.002755         0.002551         0.615689         1         6         DG8S232           0.089413         1.94577         62         0.951613         872         0.90997         0.9913488         2.88491         1         0         DG8S238           0.274709         0.76358         37 <t< td=""><td>0.816519</td><td>0.854789</td><td>58</td><td>0.37069</td><td>728</td><td>0.381543</td><td>0.38074</td><td>0.0538355</td><td>1</td><td>2</td><td>DG8S232</td></t<>	0.816519	0.854789	58	0.37069	728	0.381543	0.38074	0.0538355	1	2	DG8S232
0.887702         0.942197         58         0.077586         726         0.081955         0.081633         0.0277481         1         -4         DG8S232           0.207478         0.446616         58         0.017242         726         0.037879         0.036352         1.58894         1         4         DG8S232           0.126512         2.29086         58         0.043103         726         0.019284         0.021046         2.33479         1         -2         DG8S232           0.694969         1.33E-12         58         9.19E-16         726         0.000689         0.00638         0.153769         1         -8         DG8S232           0.432654         3.68E-15         58         1.02E-17         726         0.002755         0.002551         0.615689         1         6         DG8S232           0.089413         1.94577         62         0.951613         872         0.90997         0.913488         2.88491         1         0         DG8S238           0.274709         0.75358         37         0.581081         476         0.644958         0.640351         1.19308         1         4         DG8S242           0.274709         1.30962         37         0.41						0.145317					
0,207478         0,445616         58         0,017242         726         0,037879         0,036352         1,58894         1         4         DG8S232           0,126512         2,29086         58         0,043103         726         0,019284         0,021046         2,33479         1         -2         DG8S232           0,694959         1,33E-12         58         9,19E-16         726         0,000689         0,000638         0,153769         1         -8         DG8S232           0,432684         3,68E-15         58         1,02E-17         726         0,002755         0,002551         0,615689         1         6         DG8S232           0,089413         1,94577         62         0,951813         872         0,90997         0,913488         2,88491         1         0         DG8S238           0,274709         0,76358         37         0,581081         476         0,644958         0,640351         1,19308         1         4         DG8S242           0,274709         1,30982         37         0,418919         476         0,359642         0,359649         1,19308         1         4         DG8S242           0,045473         2,18298         59         0,94915											
0.126512         2.29086         58         0.043103         726         0.019284         0.021046         2.33478         1         -2         DG8S232           0.6949599         1.33E-12         58         9.19E-16         726         0.000689         0.000638         0.153769         1         -6         DG8S232           0.432654         3.68E-16         58         1.02E-17         726         0.002755         0.002551         0.615689         1         6         DG8S232           0.089413         1.94577         62         0.951613         872         0.90997         0.913488         2.88491         1         0         DG8S238           0.089413         0.513937         62         0.048387         672         0.90903         0.086512         2.88491         1         -8         DG6S238           0.274709         0.76358         37         0.581081         476         0.634958         0.640351         1.19308         1         4         DG8S242           0.274709         1.30982         37         0.418919         476         0.355042         0.359649         1.19308         1         4         DG8S245           0.645473         2.18298         59         0.9491											
0.694959         1.33E-12         58         9.19E-16         726         0.000689         0.000638         0.153769         1         -8         DG8S232           0.432664         3.68E-16         58         1.02E-17         726         0.002765         0.002551         0.616689         1         6         DG8S2332           0.089413         1.94577         62         0.951813         872         0.90907         0.913488         2.88491         1         0         DG8S238           0.274709         0.76358         37         0.581081         476         0.644958         0.640351         1.19308         1         4         DG8S242           0.274709         1.30962         37         0.418919         476         0.355042         0.359649         1.19308         1         0         DG8S242           0.274709         1.30962         37         0.418919         476         0.355042         0.359649         1.19308         1         0         DG8S242           0.657445         0.828128         59         0.949153         468         0.985229         0.901328         4.00101         1         0         DG8S245           0.602114         4.33E-13         59         1.93E-											
0.432654         3.68E-15         58         1.02E-17         726         0.002755         0.002851         0.615689         1         6         DG8S232           0.089413         1.94577         62         0.951613         872         0.90997         0.913488         2.88491         1         0         DG8S238           0.089413         0.513937         62         0.048387         672         0.09003         0.086512         2.88491         1         -8         DG8S238           0.274709         0.76358         37         0.581081         476         0.644955         0.640351         1.19308         1         4         DG8S242           0.274709         1.30982         37         0.418919         476         0.355042         0.359649         1.19308         1         0         DG8S242           0.657445         0.826128         59         0.949163         468         0.895299         0.901328         4.00101         1         0         DG8S245           0.051449         69         0.949163         468         0.895299         0.951228         4.00101         1         0         DG8S245           0.052145         0.828128         59         0.95848         468											
0.432654         3.68E-15         58         1.02E-17         726         0.002755         0.002551         0.615689         1         6         DG8S232           0.089413         1.04577         62         0.951613         872         0.90997         0.913488         2.88491         1         0         DG8S238           0.089413         0.513937         62         0.048387         672         0.09003         0.086512         2.88491         1         -8         DG8S238           0.274709         0.76358         37         0.581081         476         0.644958         0.640351         1.19308         1         4         DG8S242           0.274709         1.30982         37         0.418919         476         0.355042         0.359649         1.19308         1         0         DG8S242           0.645473         2.18298         69         0.949153         468         0.895299         0.901328         4.00101         1         0         DG8S245           0.657445         0.828128         59         0.950848         468         0.060897         0.59772         0.196843         1         -4         DG8S245           0.02114         4,43E-13         59         1.93E-14<	0.694959	1.33E-12		9.19E-16					1		
0.089413         1.94577         62         0.951813         872         0.90997         0.913488         2.88491         1         0         DG8S238           0.089413         0.513937         62         0.048387         672         0.09003         0.086512         2.88491         1         -8         DG8S238           0.274709         0.76358         37         0.581081         476         0.844958         0.640351         1.19308         1         4         DG8S242           0.274709         1.30982         37         0.418919         476         0.355042         0.359649         1.19308         1         0         DG8S242           0.045473         2.18298         59         0.949153         468         0.895299         0.901328         4.00101         1         0         DG8S246           0.657445         0.828128         59         0.950848         468         0.060887         0.059772         0.196643         1         -4         DG8S245           0.002114         4.43E-13         59         1.93E-14         468         0.041687         0.03702         9.44796         1         4         DG8S245           0.53894         0.881381         52         0.538461 </td <td>0,432654</td> <td>3.68E-15</td> <td>58</td> <td>1.02E-17</td> <td>726</td> <td>0.002755</td> <td>0.002551.</td> <td>0.615689</td> <td>1</td> <td>6</td> <td>DG8S232</td>	0,432654	3.68E-15	58	1.02E-17	726	0.002755	0.002551.	0.615689	1	6	DG8S232
0.089413         0.513937         62         0.048387         672         0.09003         0.086512         2.88491         1         -8         DG85238           0.274709         0.76358         37         0.581081         476         0.36494958         0.640351         1.19308         1         4         DG85242           0.274709         1.30982         37         0.418919         476         0.355042         0.359649         1.19308         1         0         DG85245           0.045473         2.18298         59         0.949153         468         0.895299         0.901328         4.00101         1         0         DG85245           0.657445         0.826128         59         0.050848         468         0.060887         0.059772         0.196843         1         -4         DG85245           0.002114         4.43E-13         59         1.893E-14         468         0.001687         0.03702         9.44796         1         4         DG85245           0.53894         0.881381         52         0.538461         682         0.0589648         0.567439         0.381241         1         0         DG85249           0.545259         0.566061         52         0.0											
0.274709         0.76358         37         0.581081         476         0.644958         0.640351         1.19308         1         4         DG8S242           0.274709         1.30982         37         0.418919         476         0.355042         0.359649         1.19308         1         0         DG8S242           0.045473         2.18298         59         0.949153         468         0.895299         0.901328         4.00101         1         0         DG8S245           0.657445         0.826128         59         0.050848         468         0.060897         0.059772         0.196643         1         -4         DG8S245           0.002114         4,43E-13         59         1.93E-14         468         0.041667         0.037002         9.44796         1         4         DG8S245           0.49051         2.61E-14         69         5.60E-17         468         0.002137         0.001898         0.475408         1         -8         DG8S245           0.53694         0.881381         52         0.538461         682         0.569648         0.567439         0.381241         1         0         DG8S249           0.449947         1.21329         52         0.2115											
0.274709         1.30982         37         0.418919         476         0.355042         0.359649         1.119308         1         0         DGBS242           0.045473         2.18298         69         0.949153         468         0.895299         0.901328         4.00101         1         0         DG8S245           0.657445         0.826128         59         0.950848         468         0.050897         0.059772         0.196843         1         -4         DG8S245           0.002114         4.43E-13         59         1.93E-14         468         0.041667         0.037002         9.44796         1         4         DG8S245           0.49051         2.61E-14         69         5.60E-17         468         0.002137         0.001898         0.475408         1         -8         DG8S245           0.53894         0.881381         52         0.538461         682         0.569648         0.567439         0.381241         1         0         DG8S249           0.545259         0.566061         52         0.009615         682         0.016862         0.016349         0.36588         1         -17         DG8S249           0.693429         0.698599         52         0											
0.045473         2.18298         59         0.949153         468         0.895299         0.901328         4.00101         1         0         DG8S245           0.057445         0.826128         69         0.050848         468         0.060887         0.059772         0.196643         1         -4         DG8S245           0.002114         4.43E-13         59         1.93E-14         468         0.041687         0.037002         9.44796         1         4         DG8S245           0.49051         2.61E-14         69         5.60E-17         468         0.002137         0.001898         0.476408         1         -8         DG85245           0.53894         0.881381         52         0.538461         682         0.569648         0.567439         0.381241         1         0         DG85249           0.545259         0.566661         52         0.009615         682         0.016862         0.016349         0.36588         1         -17         DG85249           0.618479         0.6209         52         0.086538         682         0.015386         0.014986         0.248011         1         -21         DG85249           0.693429         0.869599         52											
0.657445         0.828128         59         0.050848         468         0.060897         0.059772         0.196643         1         -4         DG8S245           0.002114         4,43E-13         59         1,93E-14         468         0.041667         0.037002         9,44796         1         4         DG8S245           0.49051         2,61E-14         69         5,60E-17         468         0.002137         0.001898         0,475408         1         -8         DG8S245           0.53694         0.881381         52         0,538461         682         0,569648         0.567439         0,381241         1         0         DG8S249           0.545259         0.566061         52         0,211539         682         0,818085         0,183243         0,578382         1         -19         DG8S249           0.618479         0.6209         52         0,009615         682         0,015386         0,014986         0,248011         1         -21         DG8S249           0.693429         0.869599         52         0,086538         682         0,098241         0,097411         0,155398         1         -2         DG8S249											
0.857445         0.828128         59         0.050848         468         0.060887         0.059772         0.196643         1         -4         DG85245           0.002114         4,43E-13         59         1,93E-14         468         0.041667         0.037002         9.44796         1         4         DG85245           0.49051         2,91E-14         69         5,60E-17         468         0.002137         0.001898         0.4756408         1         -8         DG85245           0.53694         0.831381         52         0.538461         682         0.569648         0.567439         0.381241         1         0         DG85249           0.446947         1,21329         52         0.211539         682         0.181085         0.183243         0.578382         1         -19         DG85249           0.545259         0.586061         52         0.009615         682         0.0163862         0.016389         0.248011         1         -21         DG85249           0.693429         0.869599         52         0.086538         682         0.015386         0.097411         0.155398         1         -21         DG85249	0.045473	2.18298	59	0.949153	468	0.895299	0.901328	4.00101	1	0	DG8S245
0.002114         4.43E-13         59         1.93E-14         468         0.041667         0.037002         9.44796         1         4         DG8S245           0.49051         2.61E-14         69         5.60E-17         468         0.002137         0.001898         0.475408         1         -8         DG85245           0.53694         0.881381         52         0.538461         682         0.659648         0.567439         0.381241         1         0         DG85249           0.446947         1.21329         52         0.211539         682         0.181085         0.183243         0.578382         1         -19         DG85249           0.545259         0.568061         52         0.009615         682         0.016382         0.016349         0.36588         1         -17         DG85249           0.618479         0.6209         52         0.009615         682         0.015396         0.014986         0.248011         1         -21         DG85249           0.693429         0.869599         52         0.086538         682         0.098241         0.097411         0.155398         1         -2         DG85249	0.657445			0.050848	468	0.060897	0.059772	0.196643	1	-4	DG8S245
0.49051         2.61E-14         59         5.80E-17         468         0.002137         0.001898         0.475408         1         -8         DG8S245           0.53894         0.881381         52         0.538461         682         0.569648         0.567439         0.381241         1         0         DG85249           0.448947         1.21329         52         0.211539         682         0.181085         0.18243         0.578382         1         -19         DG85249           0.545259         0.568061         52         0.009615         682         0.016862         0.016349         0.36588         1         -17         DG85249           0.693429         0.869599         52         0.086538         682         0.098241         0.097411         0.155398         1         -2         DG85249											
0.53894         0.881381         52         0.538461         682         0.569648         0.567439         0.381241         1         0         DG8S249           0.446947         1,21329         52         0.211539         682         0.181085         0.183243         0.578382         1         -19         DG8S249           0.545259         0.569661         52         0.009615         682         0.016862         0.016349         0.36588         1         -17         DG8S249           0.618479         0.6209         52         0.009615         682         0.015396         0.014986         0.248011         1         -21         DG8S249           0.693429         0.869599         52         0.086538         682         0.098241         0.097411         0.155398         1         -2         DG8S249											
0.446947     1.21329     52     0.211539     682     0.181085     0.183243     0.578382     1     -19     DG8S249       0.545259     0.566061     52     0.009615     682     0.016862     0.016349     0.36588     1     -17     DG8S249       0.618479     0.6209     52     0.009615     682     0.015396     0.014986     0.248011     1     -21     DG8S249       0.693429     0.869599     52     0.086538     682     0.098241     0.097411     0.155398     1     -2     DG8S249											
0.545259         0.568061         52         0.009615         682         0.016862         0.016349         0.36588         1         -17         DG8S249           0.618479         0.6209         52         0.009615         682         0.015398         0.014986         0.248011         1         -21         DG8S249           0.693429         0.869599         52         0.086538         682         0.098241         0.097411         0.155398         1         -2         DG8S249											
0.618479         0.6209         52         0.009615         682         0.015398         0.014986         0.248011         1         -21         DG8S249           0.693429         0.869599         52         0.086538         682         0.098241         0.097411         0.155398         1         -2         DG8S249											
0.618479         0.6209         52         0.009615         682         0.015396         0.014986         0.248011         1         -21         DG8S249           0.693429         0.869599         52         0.086538         682         0.098241         0.097411         0.155398         1         -2         DG8S249	0.545259	0.566061	52	0.009615	682				1	-17	
0.693429 0.869599 52 0.086538 682 0.098241 0.097411 0.155398 1 -2 DG8S249	0.618479			0.009615	682	0.015396	0.014986	0.248011	1	-21	DG8S249
									•	-	

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					84/90					
0.348212	2.20916	52	0.019231	682	0.008798	0.009537	0.879961	1	6	DG8S249
0.144024	1.84322	52	0.076923	682	0.043255	0.04584	2.13443	1	2	DG8S249
0.064888	3.14E-12	52	5.38E-14	682	0.016862	0.015668	3.40783	1	-6	DG8S249
0.11288	1.22E-11	52	1.54E-13	682	0.012463	0.01158	2.51343	1	4	DG8S249
0.413523	1.51515	52	0.048077	682	0.032258	0.033379	0.668649 1.03126	1	-4 -1	DG8S249 DG8S249
0,309862	3.95E-12 1.62032	52 61	2.04E-14 0.081987	682 584	0.005132 0.052226	0.004768	1.67021	1	-10	DG8S250
0.574063	0.880554	61	0.221311	584	0.244007	0.24186	0,315932	1	-4	DG8S250
0.296023	1.32061	61	0.163934	584	0.129281	0.132558	1.09203	1	2	DG8S250
0.412746	1.2111	61	0.221311	584	0.190068	0.193023	0,670878	1	4	DG8\$250
0.689122	1.16071	61	0.073771	584	0.064212		0.160038	1	-2	DG8S250
0.045952	0.620924	61	0.172131	584	0.250856	0.243411	3.98337	1	0	DG8S250
0.138411	2.45E-13	61	2.33E-15	584	0.009418	0.008527	2.19554 1.81352	1	8 -8	DG8S250 DG8S250
0.178086	2.65164 0,829713	61 61	0.02459 0.016394	584 584	0.009418 0.019692		0.0863309	1	6	DG8S250
0.796756 0.64033	0.635261	61	0.008197	584		0.012403	0,218311	i	-12	DG8S250
0.874558	1.12843	61	0.016393	584	0.014555	0.014729	0.0249238	1	6	DG8S250
0.372264	3.74E-12	81	1.28E-14	584	0.003425	0.003101	0,796093	1	12	DG8S250
0.725989	1.07153	61	0.647541	680	0.631618	0,632928	0.122826	1	0	DG8S257
0.270525	0.546218	61	0.02459	680	0.044118	0.04251	1.21408	1	-6 -2	DG8S257
0.819751	0.954377	61	0.303279	680	0.313235 0.010294	0.312416	0.0519225	1	2	DG8S257 DG8S257
0.558965 0.121356	1.6024 11.2314	61 61	0.016394 0.008197	680 680	0.000735	0.00135	2.39973	i	-9	DG8S257
0.639807	1.12067	55	0.218182	637	0.199372		0.218995	1	15	DG8S258
0.319529	1.22222	55	0.6	637		0.554913	0.990872	1	18	DG8S258
0.102499	1.10E-11	55	1.40E-13	637	0.012559	0,011561	2.66622	1 -	0	DG8\$258
0.078313	0.624114	55	0.145455	637	0.214286	0.208815	3.14173	1	, 12	DG8S258
0.564768	3.16E-15	55	4.98E-18	637	0.00157		0.331515	1	24 21	DG8S258 DG8S258
0.601723	1.40074 3.16E-15	55 55	0.027273 4.98E-18	637 637	0.019623 0.00157	0.020231	0.272405 0.331515	1	33	DG8\$258 ·
0.564768 0.024305	143973	55	0.00909	637	6.37E-08		5,07274	i	11	DG8S258
0.421668	0.8133	37	0.662162	549	0.706739	0.703925	0.645661	1	2	DG8\$261
0.421668	1.22958	37	0.337838	549	0.29326	0.296075	0.645661	1	0	DG8S261
0.685218	0.75139	37	0.027027	561	0.035651		0.164313	1	-4	DG8S282
0.790829	0.93827	37	0.513513	561	0.529412			1	0 -10	DG8S262 DG8S262
0.832714	1.09169	37 37	0.094595 0.243243	561 561	0.087344 0.220143	0.087793 0.221572	0.0446145	1	2	DG8S282
0.646493 0.65731	1.13866 0.732383	37	0.027027	561	0,036542		0.196808	i	-2	DG8S262
0.835834	1.10586	37	0.067568	561	0.081497			· i	4	DG8S262
0,509432	1.70371	37	0.027027	561	0.016043	0.018722	0.435233	1	6	DG8S262
D.234749	2,33E-11	37	2.30E-13	561	0.009804		1.41185	1	-14	DG8S262
0.474342	5.07E-11	37	1.81E-13	561	0.003565	0.003344	0.511843	1	8	DG8S262
0.320699	1.25582	60	0.233333	751 754	0.195073 0.558589	0.197904 0.557953	0.986093 0.0331966	1	15 18	DG8S265 DG8S265
0,855426 0,08648	0.965833 6.77E-12	60 60	0.55 8.67E-14	751 751	0.01265	0.031733	2.9387	1	ő	DG8S265
0.48687	0.845934	60	0.183333	751	0.20972		0,483436	i	12	DG8S265
0.600177	1.40076	60	0,025	751	0.017976		0.274729	1	21	DG8S265
0.579128	3.48E-12	60	4.64E-15	751	0.001332		0.307647	1	33	DG8S265
0.612115	1.79472	60	0.008333	751	0.00466	0.004932	0.257106	1	-6	DG8\$265
0.758941	0.938379	51	0.441177	615	0.456911	0.455706		1	-2 0	DG8\$266 DG8\$266
0.375468 0.330063	1.20102 0.701968	51 51	0.480392 0.078431	615 615	0.434959 0.10813		0.785488 0.948651	i	-4	DG8\$266
0.862197	0.966728	60	0.383333	741	0.391383		0.0301294	i	-4	DG8S269
0.509778	0.881533	60	0.55	741	0,580972		0.434526	1	0	DG8S269
0.035716	2.51045	60	0.066867	741	0.027665	0.030587	4.41061	1	-5	DG8S269
0.173805	0.672634	33	0.227273	567	0.304233	0.3	1.84982	1	-2	DG8\$271
0.217974	1.38912	33	0.681818	567	0.606702	0.610833	1.51768	1	0 2	DG8S271 DG8S271
0.430147 0.011843	0.674487 17.6876	33 33	0.060606 0.030303	567 567	0.087302	0.085833	0.622428 6.3342	1	4	DG8S271
0.912134	0.89298	58	0.008621	674	0.009644		0.0121764	i .	-6	DG85277
0.94707	1.01449	58	0.275862	674	0.272997		0.0044071	1	10	DG8S277
0.056017	1.47874	58 1	0.37069	874		0.291667	3.65156	1	0	DG8S277
0.730644	1,12844	58	0.086207	674	0.077151		0.118521	1	-2	DG8S277
0.075152	0.647866	58	0.172414	674	0,243323		3.16675	1	2 8	DG8S277 DG8S277
0.289543 0.940706	0.597743 1.05742	58 58	0.034483 0.017241	674 674	0.03636	0.054645	1.12175 0.0055327	1	4	DG8S277
0.22211	1.36E-13	58	9.13E-16	674	0.008677		. 1.49069	i	-4	DG85277
0.254078	2,21016	58	0.025862	674		0.012978	1.30074	1	6	DG8S277
0.45351	0.500945	58	0.008821	674		0.016393	0.561863	1	12	DG8S277
0.363148	4.45E-11	58	1.66E-13	674	0.003709		0.826977	1	14	DG8S277
0.504084	1,15686	48	0.625	576	0.590278		0.446328	1	0	DG8\$285
0.395359	0.820477	48	0.28125	578 578	0.322917	0.319712	0.722397 0.187632	1	2 1	DG85285 DG85285
0,664895 0.6726	1.18625 0,663154	48 48	0.083333 0.010417	576 576	0.071101		0.107632	1 1	-1	DG8S285
0.358563	0.835858	61	0.565574	500	0.609		0.849961	i	Ö	DG8S291
0.104377	0.36212	61	0.016393	500	0.044	0.040998	2.63735	1	-2	DG8S291
0.91169	0.975087	61	0.229508	500	0.234		0.0123005	1	4	DG8S291
0.016273	1.91592	61	0.180328	500	0.103		5.77312	1	2	DG88291
0.844816	0,818186	61	0.008197	500	0,01 0,711934	0.009804	0.038313	1	6 2	DG8S291 DG8S292
0.83931 0.83931	0.953758 1.04849	47 47	0.702128 0.297872	729 729	0,711934		0.0411182	1	ő	DG85292
0.403875	0.81928	54	0.212963	727	0,248281		0.698758	i	12	DG8S297
		-							-	

0.167267		54	0.416687	727	0.350069	0.354673	1.90727	1	0	DG8S297
0.584603		54	0.111111	727	0.129986			1	4	DG85297
0.43227		54	0.148148	727	0.121733			i	18	
0.06839		54	2.41E-13	727	0.015818	0.014725		1	8	DG8S297
0.049136		54	0.027778	727	0.00619		3.87089	1	-4	DG85297
0.561417		54	0.027778	727	0.019257			1	18	DG8S297
0.389089		54	0.009259	727	0.019945			1	. 6	DG8S297
0.530464		54	0.018519	727	0.028198			1	10	DG85297
0.704978		54 54	0.027778	727	0.053645			1	14	DG8S297
0,255396		54 54	1.66E-14	727	0.000688				2	DG8S297
0.501664		80	1.68E-13 0.791687	727	0.00619			1	-2	DG8S297
0.48337		60	0.781007	726 726	0.816804 0.174242			1	0	DG8S298
0.94407		60	0.008333	726	0.174242		0.49125	1	2	DG8S298
0.446864		60	0.841667	602	0.813953			1	1	DG8S298
0.446864		60	0.158333	602	0.186047			1	0	DG8S301
0.756783	0.938942	59	0.330508	688	0.344595		0.0959195	i	1 26	DG8S301
0.676336	0.881765	59	0.110169	668	0.123123			i	24	DG8S302 DG8S302
0.798986		59	0.330509	666	0.319069		0.0648514	• 🕯	28	DG8S302
0.354682		59	0.076271	666	0.054805	0.056552		1	30	DG8S302
0.866434		59	0.152542	666	0.158408	0.157931	0.0282879	i	0	DG8\$302
0.716308		50	0.77	756	0.753968			1	2	DG8S303
0.511442		50	0.01	756	0.00463			1	4	DG8S303
0.634817		50	0.22	756	0.240741			1	-2	DG8S303
0.720383 0.403115		50	1.42E-15	756	0.000661	0.00062		1	0	DG8S303
0.527856		27 27	0.203704 0.666687	315	0.15873		0.699016	1	, 0	DG8S307
0.649847		27	0.074074	315 315	0.707936		0.398517	1	4	DG8S307
0.631224		27	0.055556	315	0.092054 0.04127		0.206094	1	-4	DG8S307
0.230715		55	0.572727	689	0.630824		0.230404	1	8	DG85307
0.859933		55	0.172727	689	0.166183		1.43645 0.0311381	1	0	DG8\$308
0.342117		55	0.118182	689	0.089986	0.09207	0.902483	1	2 -14	DG8S308 DG8S308
0,158839	1.68961	55	0.090909	689		0.058468	1.98525	1	-4	DG8S308
0.20954		55	0.009091	689	0.026125	0.024868	1.5746	1	-6	DG8S308
0.09531	1.18E-15	55	1.53E-17	689	0.013082	0.012097	2.78232	i	-2	DG8S308
0.229603	2.04227	55	0.036384	689	0.018142	0.019489	1.44332	i	4	DG8S308
0.233649		61	1.34E-14	660	0.006061	0.005548	1.41851	1	8	DG8S316
0.90597	0.97619	61	0.311475	660	0.316667		0.0139532	1	10	DG8S316
0.917848		61	0.42623	660	0.431061		0.0106387	1	. 0	DG8S316
0.492863 0.378811		61	0.090164	660	0.109848	0.108183	0.47027	1	12	DG8\$316
0.334599	1.28211 1.75593	61 61	0.139344	660	0.112121	0.114424	0.774558	1	14	DG8S316
0.285328	3.41E-11	61	0.032787 1.82E-13	660 660	0.018939	0.020111	0.931016	1	16	DG8S316
0.427873	0.807637	31	0.354839	808	0.005303 0.405116	0.004854	1.24074	1	2	DG8S316
0.637181	1.34977	31	0.048387	606	0.036304	0.402669 0.038892	0.628589	1	2	DG8S322
0.188944	1.4144	31	0.451613	606	0.367987	0.372057	0.222449	1	10	DG8S322
0.145344	0.499649	31	0.084518	608	0.121287	0.118524	1.72584 2.12045	1	0 4	DG8S322
0.738106	1,17794	31	0.080645	608	0.069307	0.069859	0.111799	1	6	DG8S322 DG8S322
0.858146	1.0385	62	0.733871	700	0.726429		0.0319461	i	ŏ	DG8S323
0.858146	0.96293	62	0.266129	700	0.273571	0.272966		i	5	DG8S323
0.737494	0.93203	60	0.283333	695	0.297842	0.296689	0.112342	i	ō	DG8S324
0.891325	1.08814	60	0.025	695	0.023022	0.023179	0.018867	1	10	DG8S324
0.451315	0.836462	60	0.191667	695		0.218543	0.567348	1	8	DG8S324
0.784209	1.08289	60	0.125	695			0.0749874	1	8	DG8\$324
0.949648 0.610258	1.01838 1.12657	60 60	0.125	695			0.0039878	1	4	DG8S324
0.433781	1.56322	60	0.216667 0.033333	695		0.198675	0.259799	1	2	DG8S324
0.424208	0.782798	56	0.107143	695 726		0.022517 0.131074	0.612678	1	12	DG8S324
0.776846	1.10954	58	0.080357	726		0.070500	0.638627	1	-4	DG8S332
0.374309	0,812204	56	0.214286	726	0.251377		0.789309	1	4	DG8S332
0.605398	0.885167	56	0.214286	728	0.235537		0.266934	1	2 -2	DG8S332
0.285306	1.26095	56	0.303571	726	0.258887	0.26023	1.14164	i	0	DG8\$332 DG8\$332
0.231896	2.03133	58	0.035714	726	0.017908		1.4292	ì	-6	DG85332
0.504794	1.3969	56	0.044643	726		0.033248	0.444843	i	8	DG8S332
0.542218	0.868101	51	0.264706	539		0.290678	0.371444	i	-5	DG85333
0.542218	1.15194	51 .	0.735294	539		0.709322	0.371444	1	õ	DG8S333
0.178207	0.769592	61	0.352459	764		0.409697	1.81251	1	1	SG08S100
0.178207	1.29939	61	0.647541	764		0.590303	1.81251	1	2	SG08S100
0.084572 0.084572	0.708471	58	0.396551	387		0.470787	2.97477	1	1	SG08S102
0.637875	1.41548	58	D.603448	387		0.529213	2.97477	1	2	SG08S102
0.637875	0.908047 1.10127	61 61	0.647541	390	_	0.666297	0.221532	1	0	SG08S112
0.527988	1.12903	60	0.352459 0.583333	390 700		0.333703	0.221532	1	2	SG08S112
0.527988	0.885714	60	0.416867	700		3.655921 3.444070	0.398283	1	0	SG08S120
0.405963	0.838721	60	0.708333	746			0.398263	1	2	SG08S120
0.405963	1.19229	60	0.291667	748			0,690592 0,690592	1	0	SG08\$138
0.866941	0.968661	61	0.557377	713		).564599 O		1 1	2 0	SG08S138
0.866941	1.03235	61	0.442623	713		.435401 0		1	2	SG08S15 SG08S15
0.168402	1.29721	81	0.516394	701		.456693	1.89711	í	0	SG08S26
	0.770884	61	0.483607	701	0.548502 0		1.89711	i	2	SG08S26
0.145968	1.3272	81	0.516393	397	0.445844	0.45524	2,11388	i	2	SG08S27
0.145968	0.753463	61	0.483607	397	0.554156	0.54476	2.11388	1	1	SG08S27
				-						

0.223599	0.782321	58	0.560345	397	0.619647		1.48112	1	1	SG08S32
0.223599	1.27825	58	0.439655	397	0.380353	0.387912	1.48112	1	0	SG08S32
0.308774	1.22057	61	0.639344	618	0.592233	0.596465	1.03591	1	1	SG08S35
0.308774	0.819292	61	0.360656	618	0.407767	0.403535	1.03591	1	2	SG08S35
0.518451	0.883658	61	0.487213	523	0.498088	0.494863	0.416973	1	1	SG08S39
0.518451	1,13166	61	0.532787	523	0.501912	0.505137	0.416973	1	0	SG08S39
0.533866	1,12929	59	0.415254	689	0.386067	0.388369	0.387027	1	0	SG08S42
0.533866	0.885511	59	0.584746	689	0.613933	0.611631	0.387027	1	2	SG08S42
0.654111	1.14576	61	0.114754	610	0.101639	0.102832	0.200758	1	1	SG08S46
0.654111	0.872787	61	0.885246	610	0.898361	0.897168	0.200758	1	3	SG08S46
0.189	0,776048	59	0.542373	743	0.604307	0.599751	1.72539	1	0	SG08S5
0.189	1,28858	59	0.457627	743	0.395693	0.400249	1.72539	1	2	SG08S5
0.565554	1,11705	59	0.466102	685	0.438688	0.44086	0.330178	1	2	SG08S50
0.585554	0.895211	59	0.533898	685	0.561314	0.55914	0.330178	1	0	SG08S50
0.069287	0.693897	57	0.456141	381	0.547244	0.535388	3.29983	1	0	SG08S506
0.069287	1.44114	57	0.54386	381	0.452758	0.464612	3.29983	1	2	SG08S506
0.16987	0.75	60	0.3	396	0,363636	0.355263	1.88409	1	2	SG08S507
0.16987	1.33333	60	0.7	396	0,636364	0.644737	1.88409	1	3	SG08S507
0.276852	0,802329	58	0.387931	392	0,441326	0.434444	1.18248	1	1	SG08S508
0.276852	1.24637	58	0,612069	392	0,558674	0.565556	1.18248	· 1	3	SG08S508
0.463684	1.20429	58	0.818965	371	0.789757	0.793708	0.536987	1	' 1	SG08S510
0.463684	0.830365	58	0.181035	371	0.210243	0.206294	0.536987	1.	0	SG08S510
0.897524	1.02652	58	0.413793	362	0.407459	0.408333	0.0165867	1	1	SG08S511
0.897524	0,974165	5B	0.586207	362	0.592541	0.591867	0.0165867	1	3	SG08S511
0.538636	1.1332	57	0.429825	388	0.399484	0.403371	0.378074	1	2	SG08S512
0.538636	0.882455	57	0.570175	388	0.600516	0.596629	0,378074	1	1	SG08S512
0.276978	0.807854	61	0.418032	392	0.470663	0.463576	1.18188	· 1	. 1	SG08S517
0.276978	1.23785	61	0.581967	392	0.529337	0.536424	1.18186	1	3	SG08S517
0.246826	1,25791	61	0.614754	397	0.559194	0.566594	1.34118	1	1	SG08S520
0.246826	0.794971		0.385246	397	0.440806	0.433406	1,34118	1	0	SG08S520
0.998424	0.899561	59	0.728813	391	0.7289	0.728889	3.90E-06	1	2	SG08S6
0.998424	1.00044	59	0.271187	391	0.2711	0.271111	3.90E-06	1	0	SG08S6
0.200406	0.775538	59	0.440878	380	0.503947	0,495444	1.63941	1	1	SG08S70
0.200408	1.28943	59	0.559322	380	0.496053	0.504556	1,63941	1	3	SG08S70
0.073231	1,40539	61	0.590164	740	0.506081	0.512484	3.20907	1	0	SG08S71
0.073231	0.711544	81	0.409836	740	0.493919	0.487516	3,20907	1	2	SG08S71
0.252356	0.7983	60	0.458333	378	0.51455	0.506849	1,31021	1	3	SG08S73
0.252356	1,25266	60	0.541667	378	0.48545	0.493151	1,31021	1	1	SG08S73
0.830216	0.958777	60	0.466667	394	0.477157	0.475771	0.0459779	1	1	SG08S76
0.830216	1.043	60	0.533333	394	0.522843	0.524229	0.0459779	1	2	SG08S76
0.781553	1.0559	60	0,525	394	0.511421	0.513216	0.0788933	1	0	SG08S90
0.781553	0.947063	60	0.475	394	0.488579	0.486784	0.0768933	1	1	SG08S90
0.234935	0.760584	62	0.774194	705	0.81844	0.814863	1,41073	1	1	SG08S93
0.234935	1.31478	62	0,225806	705	0.18156		1.41073	1	2	SG08S93
0.402568	0.83199	56	0.294643	362	0.334254	0.328947	0.700643	1	0	SG08S94
0.402568	1.20194	56	0.705357	362	0.665746	0.671053	0.700643	1	2	SG08S94
0.124832	1.34391	60	0,483333	586	0.41041	0.417183	2,35562	1	2	SG08S95
0.124832	0.744099	60	0.516667	586	0.58959	0.582817	2,35562	1	3	SG08S95
0.965393	1.00838	61	0.581967	613	0.579935		0.0018825	1	2	SG08S96
0.965393	0.991686	61	0,418033	813	0.420065		0.0018825	1	3	SG08S98
0.500983	0.81986	61	0.877049	713	0.896914	0.895349	0.452853	1	0	SG08S97
0.500983	1,21972	81	0,122951	713	0,103086	0.104651	0.452853	1	1	SG08S97

o.103086 0.104651 FIG. 11E8

FIG. 12A

Table 2a. Allelic frequencies for markers strongly correlated to the orientation.

Marker	Allele	Frequency on inverted form	Frequency on common for
	<u> </u>	<u>走</u> 0.067	<u> </u>
AF131215-2 AF131215-2	4	0.06 <i>7</i> 0.896	0.839 0.121
AF131215-2	8	0.037	0.040
D8S1695	Ö	0.083	0.749
D8S1695	2	0.000	0.025
D8S1695	4	0.092	0.151
D8S1695 .	6	0.129	0.012
D8S1695	8	0.596	0.036
D8S1695	10	0.081	0.013
D8S1695 DG00AAHBG	12 1	0.020 0.253	0.014 0.837
DG00AAHBG	2	0.233	0.163
DG8S127	ō	0.055	0.741
DG8S127	1	0.935	0.098
DG8S127	6	0.010	0.161
DG8S156	-6	0.051	0.000
DG8S156	0	0.181	0.806
DG8S156	6 9	0.744	0.194 0.000
DG8S156 DG8S161	0	0.025 0.074	0.688
DG8S161	2	0.926	0.312
DG8S163	ō	0.947	0.154
DG8S163	3	0.053	0.846
DG8S170	-4	0.038	0.000
DG8S170	0	0.651	0.135
DG8S170	2	0.310	0.865
DG8S179 DG8S179	0 7	0.082 · 0.918	0.795 0.205
DG8S179 DG8S197	ó	0.918	0.205
DG8S197	1	0.851	0.098
DG8S242	ò	0.751	0.121
DG8S242	4	0.249	0.879
DG8S257	-9	0.000	0.006
DG8S257	-6	0.116	0.031
DG8S257	-2	0.628	0.054
DG8S257	0 2	0.256 0.000	0.884 0.025
DG8S257 DG8S261	0	0.000	0.025
DG8S261	2	0.720	0.925
DG8S269	-5	0.030	0.003
DG8S269	-4	0.891	0.102

FIG. 12B
Table 2a. Allelic frequencies for markers strongly correlated to the orientation.

Table 2a. Alle	elic frequen	cies for ma	rkers stro	gly correlated to the orientation.
		Frequency on inverted form	Frequency on common for	·
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[		, <u>=</u>	چ	
ŀ		° >	° ×	
1		ည္	2	•
arker	<u> </u>	ä	and the	
Mar	Allele	ě	Ē	
DG8S269	0	0.079	0.894	
SG08S102	1	0.076	0.765	
SG08S102	2	0.924	0.235	
SG08S120	0	0.159	0.858	
\$G08\$120	2	0.841	0.142	•
SG08S138	0	0.391	0.939	
SG08S138	2	0.609	0.061	
.SG08S15	0	0.158	0.805	
SG08S15	2	0.842	0.195	
SG08S26	0	0.841	0.167	
SG08S26	2	0.159	0.833	
SG08S27	1	0.136	0.831	
SG08S27	2	0.864	0.169	
SG08S32	0	0.771	0.108	
SG08S32	1	0.229	0.892	· ·
SG08S5	0	0.087	0.902	
SG08S5	2 1	0.913	0.098	
SG08S508 SG08S508	3	0.081	0.680	
SG08S517	3 1	0.919 0.075	0.320 0.767	
SG08S517	3	0.075	0.767	
SG08S520	0	0.080	0.683	
SG08S520	1	0.920	0.317	
SG08S70	i	0.074	0.766	
SG08S70	3	0.926	0.234	
SG08S71	Ō	0.928	0.226	
SG08S71	2	0.072	0.774	
SG08S73	1	0.924	0.236	
SG08S73	3	0.076	0.764	
SG08S76	1	0.030	0.716	
SG08S76	2	0.970	0.284	
SG08S95	2	0.905	0.093	
SG08S95	3	0.095	0.907	

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## Association of Drug Response to surrogate marker alleles - Combined SNRI and SSRIs

Marker	Position	Allele	Relative risk	#aff	R freq	#ctrl	NR freq	X2	p-value
DG8S269	8.71376	-4	1.417	71	0.394	27	0.315	1.076	0.300
SG08S95	10.9769	G	1.340	99	0.475	36	0.403	1.109	0.292
SG08S5	11.02427	G	1.531	99	. 0.460	35	0.357	2.239	0.135
SG08S71	11.0543	Α	2.050	99	0.646	35	0.471	6.515	0.011
SG08S73	11.08065	С	2.189	94	0.590	34	0.397	7.522	0.006
Marker	Position	Allele	Relative risk	#aff	VGR freq	#ctrl	NR freg	X2	p-value
DG8S269	8.71376	4		32	0.391	27	•	0.737	0.391
SG08S95	10.9769	G	1.624	44	0.523	36	0.403	2.296	0.130
SG08S5	11.02427	G	1.884	44	0.511	35	0.357	3.785	0.052
SG08S71	11.0543	Α	2.450	43	0.686	35	0.471	7.374	0.007
SG08S73							0.397	8.311	0.004

Marker = name of marker

Position = position of marker in Build 33

Allele: A,C,G, or T for the SNPs; and the offset from CEPH for DG8S269

# aff = number of Responders or Very Good Responders

R freq/VGR freq = frequency of allele in Responders/Very Good Responders

# ctrl = number of Non Responders

NR freq = frequency of allele in Non-Responders

X2 = Chi squared value

## Association of Drug Response to surrogate marker alleles - Venlafaxine

Marker	Position	Allele	Relative risk	#aff	R freq	#ctrl	NR freq	X2	p-value
DG8S269	8.71376	-4	1.510	24	0.292	14	0.214	0.557	0.4554
SG08S95	10.9769	G	1.291	32	0.422	18	0.361	0.356	0.5505
SG08S5	11,02427	G	1.779	32	0.406	18	0.278	1.684	0.1945
SG08S71	11.0543	Α	2.184	32	0.609	18	0.417	3.451	0.0632
SG08S73	11.08065	С	2.425	32	0.578	18	0.361	4.384	0.0363
Marker	Position	Allele	Relative risk	#aff	VGR freq	#ctrl	NR freq	X2	p-value
DG8S269	8.71376	-4	1.222	10	0.250	14	0.214	0.084	0.7722
SG08S95	10.9769	G	1.769	15	0.500	18	0.361	1.294	0.2554
SG08S5	11.02427	G	2.600	15	0.500	18	0.278	3.448	0.0633
SG08S71	11.0543	Α	2.100	15	0.600	18	0.417	2.213	0.1369
SG08S73	11.08065	С	3.056	15	0.633	18	0.361	4.913	0.0266

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# Association of Drug Response to surrogate marker alleles - Fluoxetine

Marker	Position	Allele	Relative risk	#aff	R freq	#ctrl	NR freq	X2	p-value
DG8S269	8.71376	-4	1.105	34	0.441	12	0.417	0.043	0.8349
SG08S95	10.9769	G	1.637	49	0.510	18	0.389	1.565	0.2110
SG08S5	11.02427	G	1.264	49	0.469	17	0.412	0.340	0.5601
SG08S71	11.0543	Α	1.882	49	0.653	18	0.500	2.559	0.1097
SG08S73	11.08065	С	1.463	46	0.565	17	0.471	0.893	0.3447
Marker	Position	Allele	Relative risk	#aff	VGR freq	#ctrl	NR freq	X2	p-value
Marker DG8S269	Position 8.71376	Allele	Relative risk 1.200	#aff 13	VGR freq 0.462		•	X2 0.102	p-value 0.7494
						12	0.417		0.7494
DG8\$269	8.71376	-4	1.200	13	0.462	12 18	0.417 0.389	0.102	0.7494 0.0978
DG8\$269 SG08S95	8.71376 10.9769	-4 . G	1.200 2.200	13 18	0.462 0.583	12 18 17	0.417 0.389 0.412	0.102 2.742	0.7494 0.0978 0.4585

# Association of Drug Response to surrogate marker alleles - Citalopram or escitalopram

Marker	Position	Allele	Relative risk	#aff	R freq	#ctrl	NR freq	X2	p-value
DG8S269	8.71376	-4	2.200	26	0.423	8	0.250	1.621	0.2029
SG08S95	10.9769	G	1.667	33	0.455	9	. 0.333	0.865	0.3524
SG08S5	11.02427	G		33	0.470	9	0.278	2.205	0.1375
SG08S71	11.0543	Α	3.333	33	0.667	8	0.375	4.503	0.0338
SG08S73	11.08065	С	4.750	31	0.613	8	0.250	6.913	0.0086
•	•								
Marker	. Position	Allele	Relative risk	#aff	VGR freq	#ctrl	NR freq	X2	p-value
Marker DG8S269		Allele		#aff 12	VGR freq 0.375			X2 0.697	•
			1.800		-	. 8	0.250	0.697	•
DG8S269	8.71376	-4	1.800 1.714	12	0.375	· 8	0.250 0.333	0.697 0.730	0.4039
DG8S269 SG08S95	8.71376 10.9769	-4 G	1.800 1.714 3.033	12 13	0.375 0.462	· 8	0.250 0.333 0.278	0.697 0.730 3.016	0.4039 0.3928

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